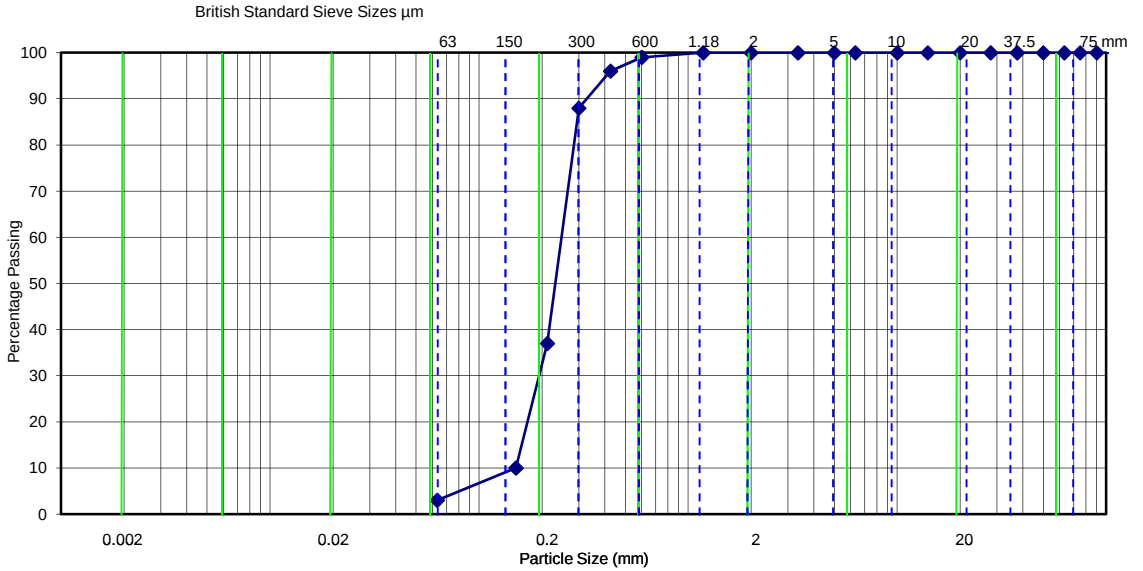
APPENDIX E
PARTICLE SIZE ANALYSIS RESULTS

Particle Size Distribution



Sieving		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	100
50	100	0.5	97
38	100	0.25	55
28	100	0.125	8
20	100	0.063	3
14	100	0.031	1.56
10	100	0.0156	0.74
6.3	100	0.0078	0.59
5.0	100	0.0039	0.44
3.4	100	0.00031	0
2.0	100		
1.2	100		
0.60	99		
0.43	96		
0.30	88		
0.21	37		
0.15	10		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	97%
	Silt	2.56%
	Clay	0.44%

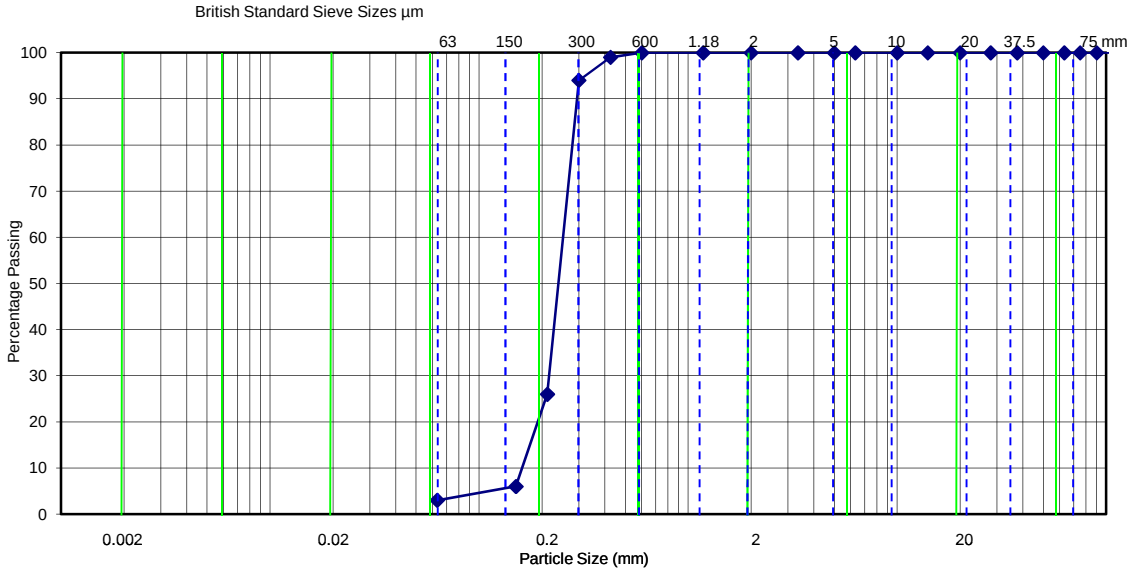
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S01
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	23/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 573562 N 6375492	**S01**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	100
50	100	0.5	99
38	100	0.25	56
28	100	0.125	5
20	100	0.063	3
14	100	0.031	0.95
10	100	0.0156	0.36
6.3	100	0.0078	0.34
5.0	100	0.0039	0.34
3.4	100	0.00031	0
2.0	100		
1.2	100		
0.60	100		
0.43	99		
0.30	94		
0.21	26		
0.15	6		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	97%
	Silt	2.66%
	Clay	0.34%

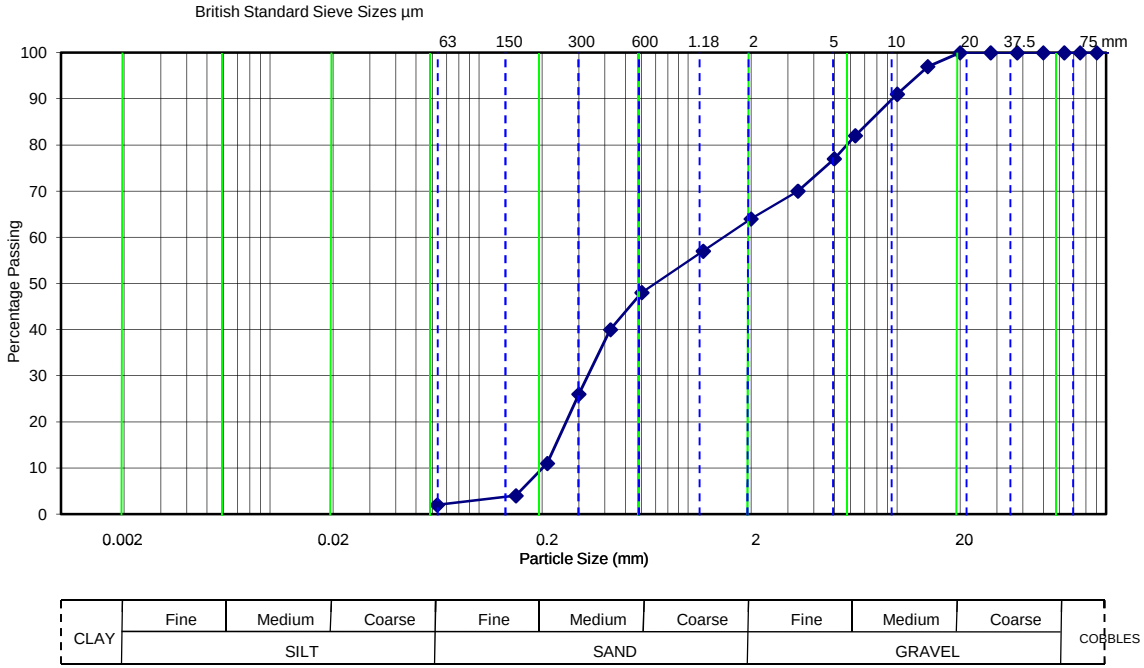
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S03
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	23/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 573955 N 6375758	**S03**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	73
75	100	2.0	64
63	100	1.0	55
50	100	0.5	44
38	100	0.25	17
28	100	0.125	3
20	100	0.063	2
14	97	0.031	1.11
10	91	0.0156	0.62
6.3	82	0.0078	0.53
5.0	77	0.0039	0.45
3.4	70	0.00031	0
2.0	64		
1.2	57		
0.60	48		
0.43	40		
0.30	26		
0.21	11		
0.15	4		
0.063	2		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	36%
	Sand	62%
	Silt	1.55%
	Clay	0.45%

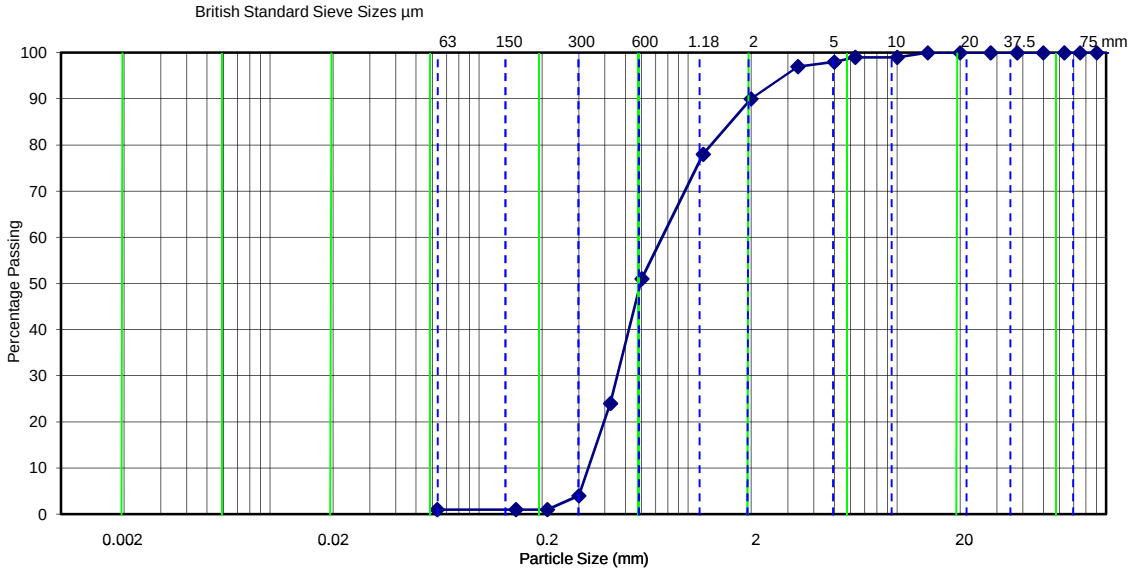
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S07
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	8

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	24/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 579956 N 6375438	**S07**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	98
75	100	2.0	90
63	100	1.0	72
50	100	0.5	38
38	100	0.25	2
28	100	0.125	1
20	100	0.063	1
14	100	0.031	0.97
10	99	0.0156	0.19
6.3	99	0.0078	0
5.0	98	0.0039	0
3.4	97	0.00031	0
2.0	90		
1.2	78		
0.60	51		
0.43	24		
0.30	4		
0.21	1		
0.15	1		
0.063	1		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	10%
	Sand	89%
	Silt	1.00%
	Clay	0.00%

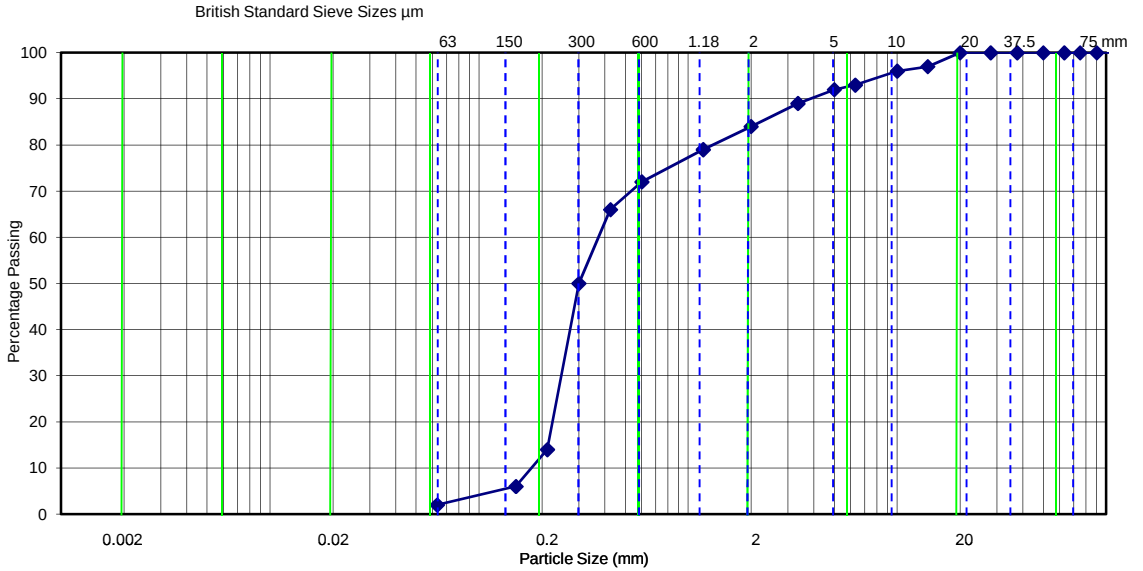
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S09
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	
	2

Test Method		
	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 582867 N 6374377	**S09**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	90
75	100	2.0	84
63	100	1.0	78
50	100	0.5	69
38	100	0.25	28
28	100	0.125	5
20	100	0.063	3
14	97	0.031	2.9
10	96	0.0156	1.84
6.3	93	0.0078	1.24
5.0	92	0.0039	0.82
3.4	89	0.00031	0
2.0	84		
1.2	79		
0.60	72		
0.43	66		
0.30	50		
0.21	14		
0.15	6		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	16%
	Sand	81%
	Silt	2.18%
	Clay	0.82%

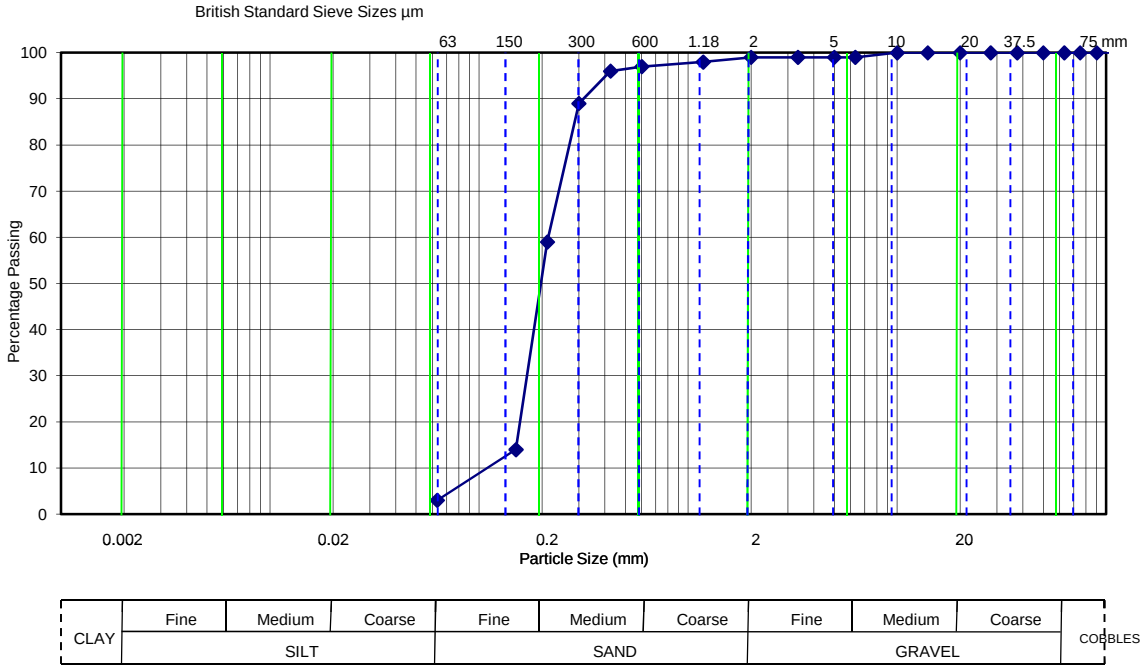
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S11
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 590106 N 6373500	**S11**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	99
75	100	2.0	99
63	100	1.0	98
50	100	0.5	97
38	100	0.25	71
28	100	0.125	11
20	100	0.063	3
14	100	0.031	2
10	100	0.0156	1.33
6.3	99	0.0078	0.96
5.0	99	0.0039	0.68
3.4	99	0.00031	0
2.0	99		
1.2	98		
0.60	97		
0.43	96		
0.30	89		
0.21	59		
0.15	14		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	96%
	Silt	2.32%
	Clay	0.68%

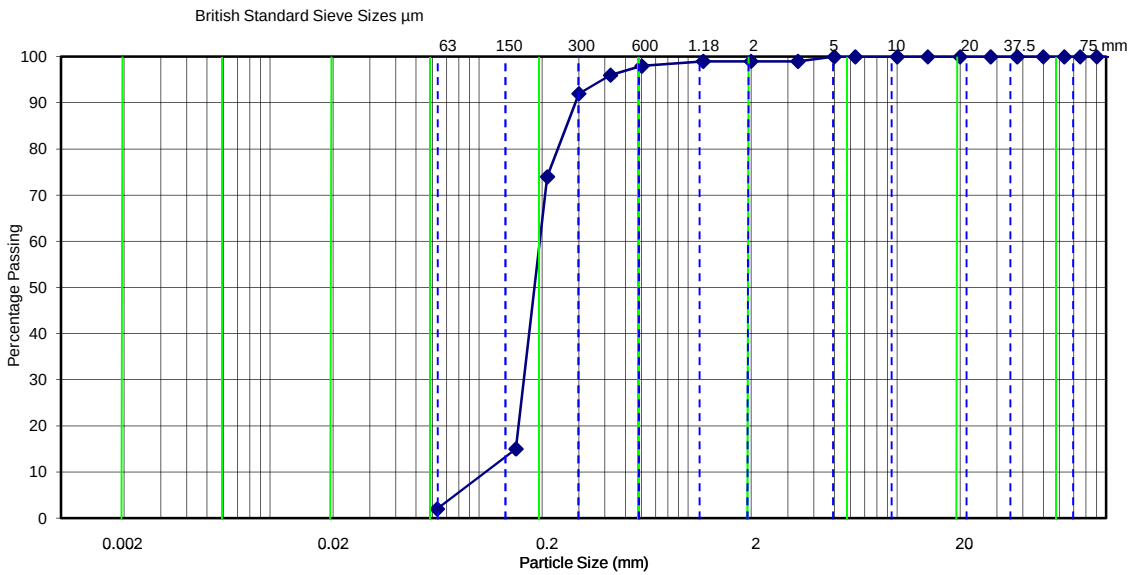
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S13
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 596590 N 6372813	**S13**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	99
63	100	1.0	99
50	100	0.5	97
38	100	0.25	82
28	100	0.125	12
20	100	0.063	2
14	100	0.031	1.75
10	100	0.0156	1.13
6.3	100	0.0078	0.72
5.0	100	0.0039	0.49
3.4	99	0.00031	0
2.0	99		
1.2	99		
0.60	98		
0.43	96		
0.30	92		
0.21	74		
0.15	15		
0.063	2		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	97%
	Silt	1.51%
	Clay	0.49%

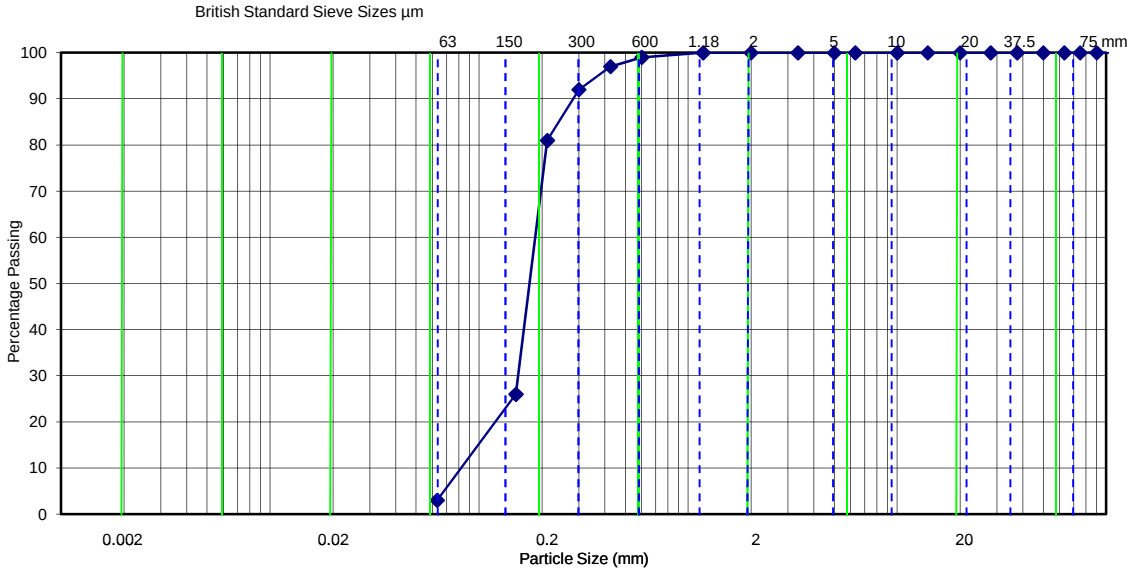
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S14
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 597174 N 6371180	**S14**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	100
50	100	0.5	98
38	100	0.25	85
28	100	0.125	19
20	100	0.063	3
14	100	0.031	1.39
10	100	0.0156	0.90
6.3	100	0.0078	0.47
5.0	100	0.0039	0.47
3.4	100	0.00031	0
2.0	100		
1.2	100		
0.60	99		
0.43	97		
0.30	92		
0.21	81		
0.15	26		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	97%
	Silt	2.53%
	Clay	0.47%

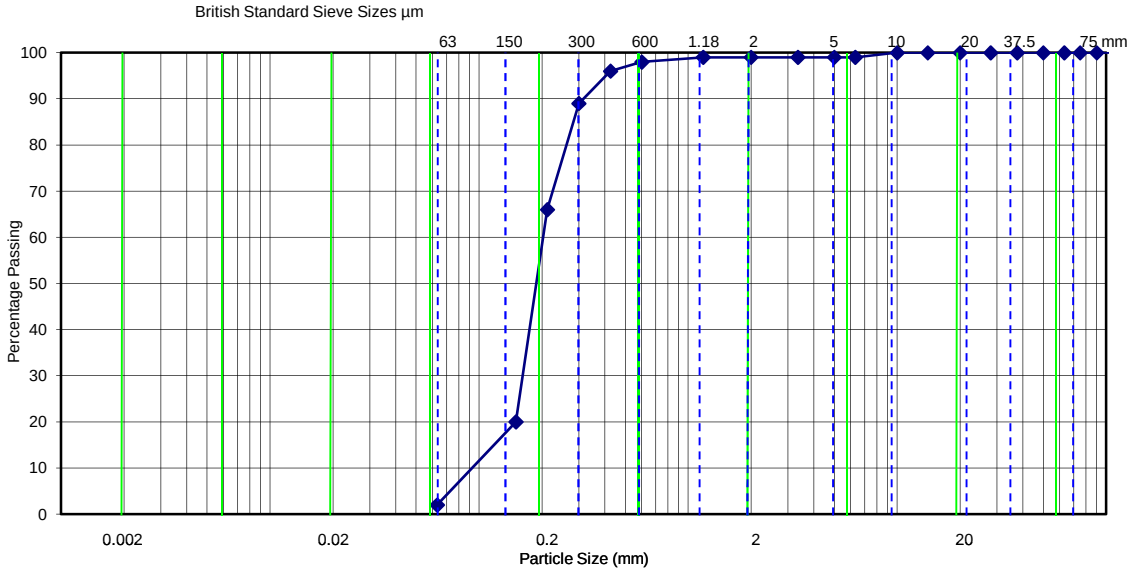
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S15
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 599156 N 6368493	**S15**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	99
75	100	2.0	99
63	100	1.0	99
50	100	0.5	97
38	100	0.25	75
28	100	0.125	14
20	100	0.063	2
14	100	0.031	1.56
10	100	0.0156	1.06
6.3	99	0.0078	0.69
5.0	99	0.0039	0.50
3.4	99	0.00031	0
2.0	99		
1.2	99		
0.60	98		
0.43	96		
0.30	89		
0.21	66		
0.15	20		
0.063	2		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	97%
	Silt	1.50%
	Clay	0.50%

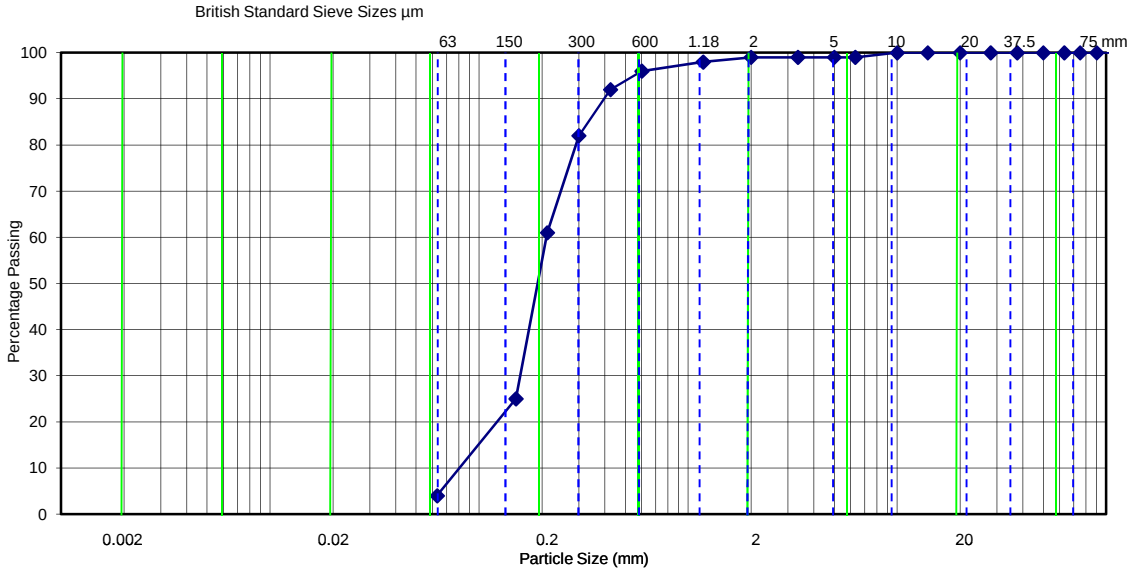
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S16
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 600192 N 6368712	**S16**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	99
75	100	2.0	99
63	100	1.0	98
50	100	0.5	94
38	100	0.25	70
28	100	0.125	19
20	100	0.063	4
14	100	0.031	2.96
10	100	0.0156	1.95
6.3	99	0.0078	1.14
5.0	99	0.0039	0.84
3.4	99	0.00031	0
2.0	99		
1.2	98		
0.60	96		
0.43	92		
0.30	82		
0.21	61		
0.15	25		
0.063	4		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	95%
	Silt	3.16%
	Clay	0.84%

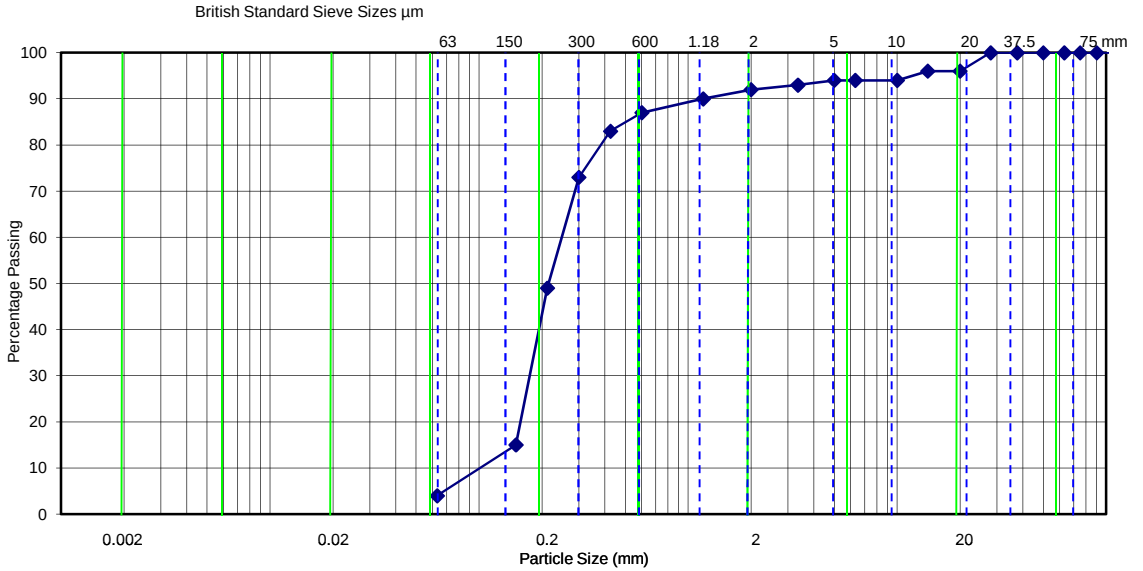
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S18
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 601787 N 6367967	**S18**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	93
75	100	2.0	92
63	100	1.0	89
50	100	0.5	85
38	100	0.25	59
28	100	0.125	12
20	96	0.063	4
14	96	0.031	3.96
10	94	0.0156	2.38
6.3	94	0.0078	1.49
5.0	94	0.0039	0.91
3.4	93	0.00031	0
2.0	92		
1.2	90		
0.60	87		
0.43	83		
0.30	73		
0.21	49		
0.15	15		
0.063	4		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	8%
	Sand	88%
	Silt	3.09%
	Clay	0.91%

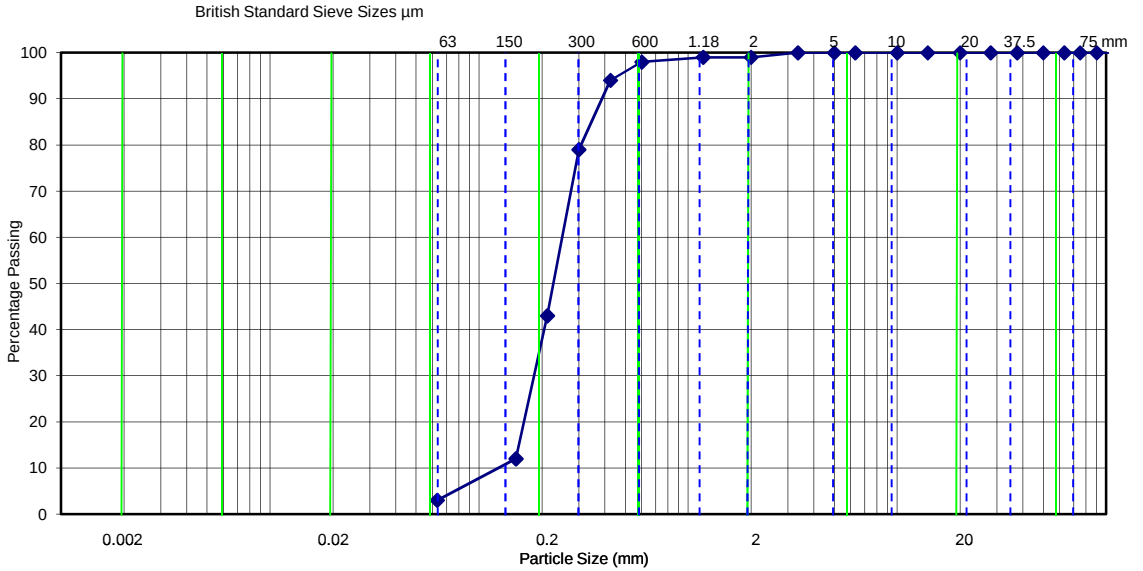
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S20
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 604567 N 6365190	**S20**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	99
63	100	1.0	99
50	100	0.5	96
38	100	0.25	57
28	100	0.125	9
20	100	0.063	3
14	100	0.031	2.84
10	100	0.0156	1.75
6.3	100	0.0078	1.22
5.0	100	0.0039	0.81
3.4	100	0.00031	0
2.0	99		
1.2	99		
0.60	98		
0.43	94		
0.30	79		
0.21	43		
0.15	12		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	96%
	Silt	2.19%
	Clay	0.81%

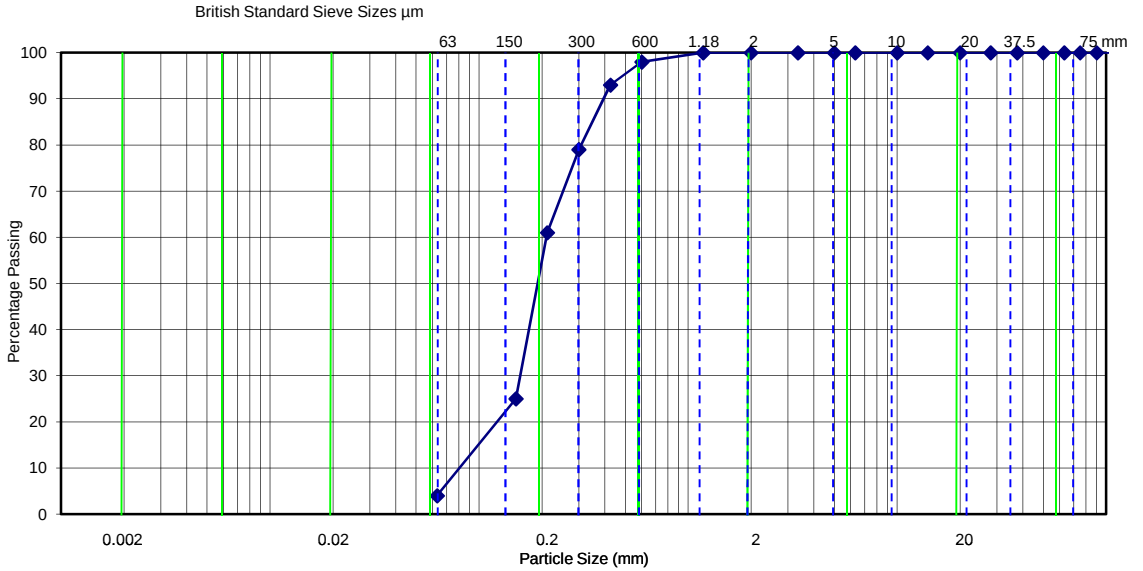
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S21
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 603952 N 6364417	**S21**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	99
50	100	0.5	96
38	100	0.25	68
28	100	0.125	18
20	100	0.063	4
14	100	0.031	2.51
10	100	0.0156	1.62
6.3	100	0.0078	0.95
5.0	100	0.0039	0.76
3.4	100	0.00031	0
2.0	100		
1.2	100		
0.60	98		
0.43	93		
0.30	79		
0.21	61		
0.15	25		
0.063	4		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	96%
	Silt	3.24%
	Clay	0.76%

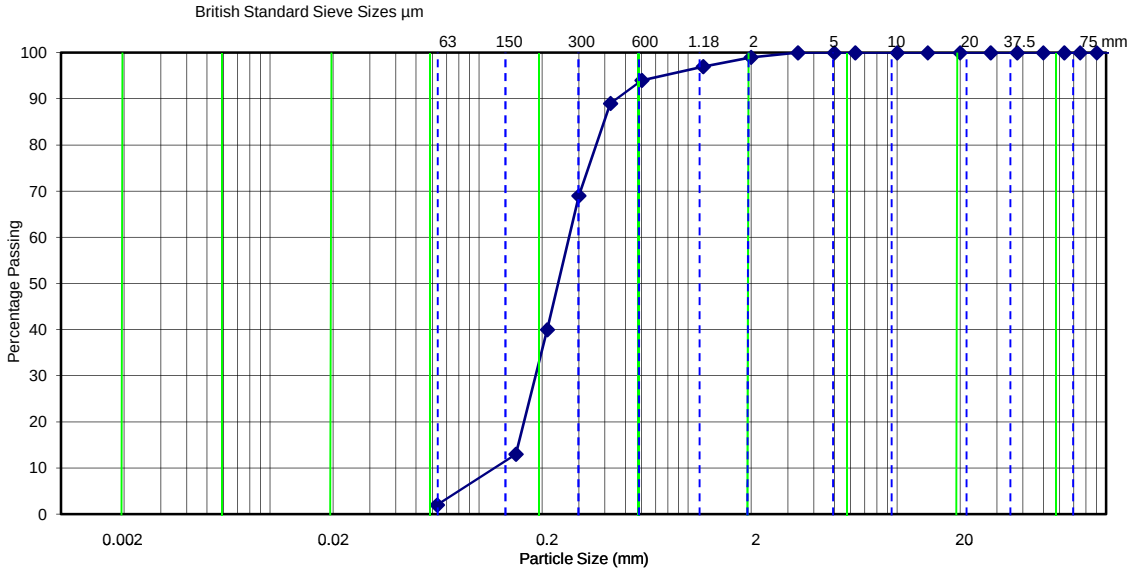
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S22
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 602262 N 6368456	**S22**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	99
63	100	1.0	97
50	100	0.5	92
38	100	0.25	53
28	100	0.125	10
20	100	0.063	2
14	100	0.031	1.79
10	100	0.0156	1.06
6.3	100	0.0078	0.76
5.0	100	0.0039	0.48
3.4	100	0.00031	0
2.0	99		
1.2	97		
0.60	94		
0.43	89		
0.30	69		
0.21	40		
0.15	13		
0.063	2		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	97%
	Silt	1.52%
	Clay	0.48%

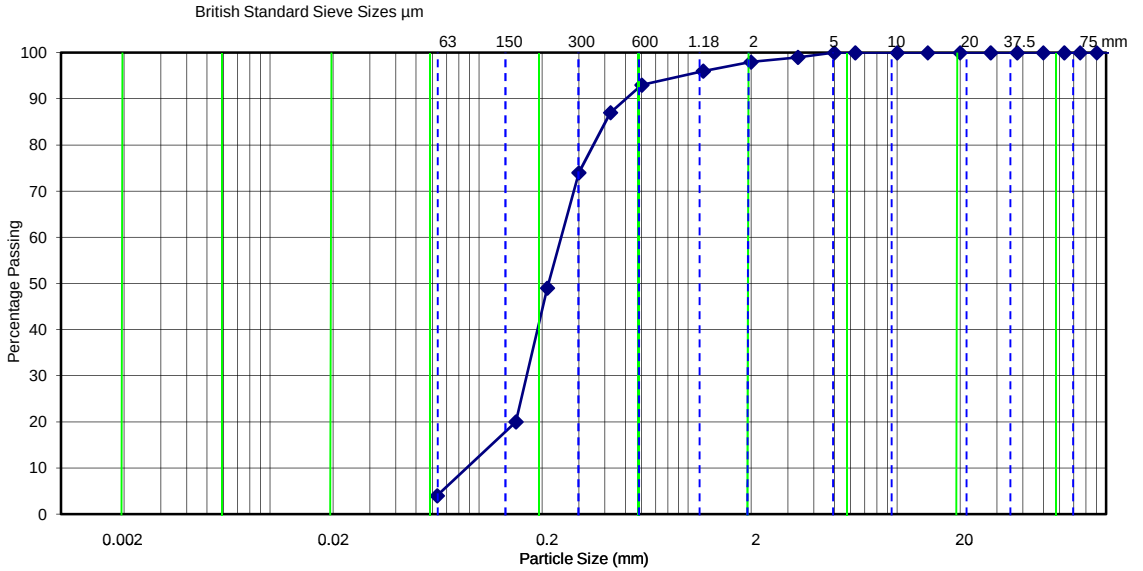
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S23
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 602736 N 6368646	**S23**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	99
75	100	2.0	98
63	100	1.0	96
50	100	0.5	90
38	100	0.25	60
28	100	0.125	15
20	100	0.063	4
14	100	0.031	2.94
10	100	0.0156	1.90
6.3	100	0.0078	1.20
5.0	100	0.0039	0.81
3.4	99	0.00031	0
2.0	98		
1.2	96		
0.60	93		
0.43	87		
0.30	74		
0.21	49		
0.15	20		
0.063	4		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	2%
	Sand	94%
	Silt	3.19%
	Clay	0.81%

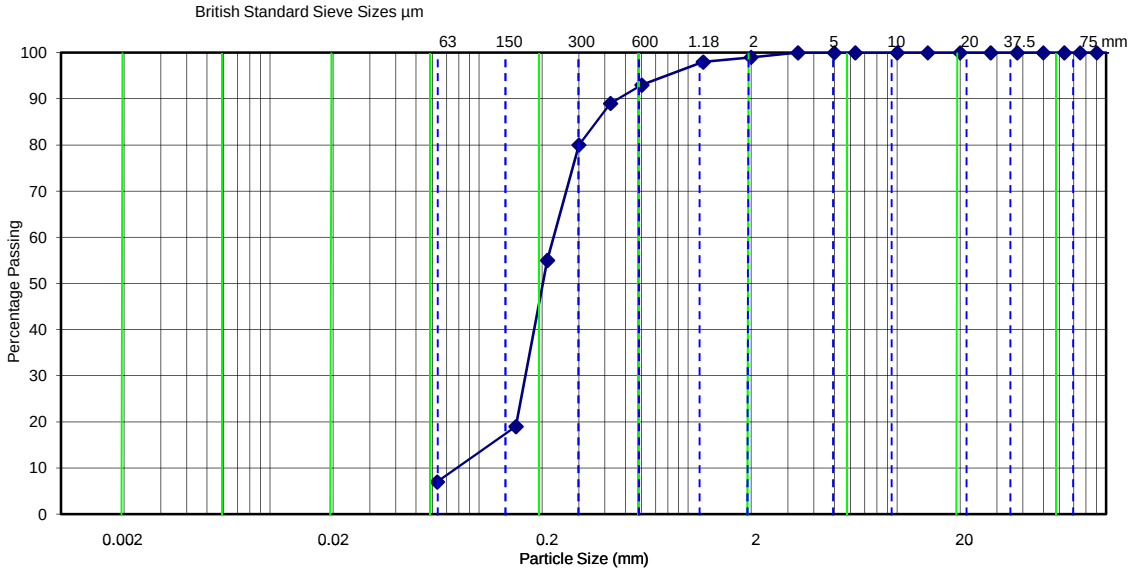
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S24
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	3

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 603682 N 6367474	**S24**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	99
63	100	1.0	97
50	100	0.5	91
38	100	0.25	65
28	100	0.125	16
20	100	0.063	7
14	100	0.031	6.17
10	100	0.0156	3.22
6.3	100	0.0078	1.91
5.0	100	0.0039	1.16
3.4	100	0.00031	0
2.0	99		
1.2	98		
0.60	93		
0.43	89		
0.30	80		
0.21	55		
0.15	19		
0.063	7		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	1%
	Sand	92%
	Silt	5.84%
	Clay	1.16%

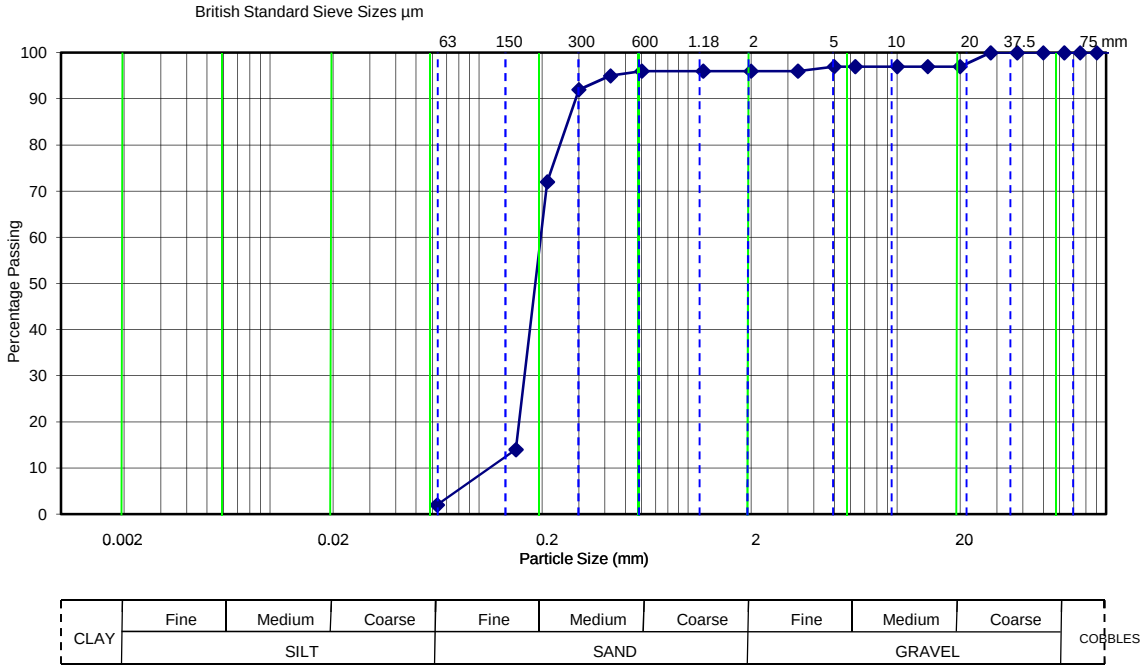
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S26
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	3

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 605196 N 6365452	**S26**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	97
75	100	2.0	96
63	100	1.0	96
50	100	0.5	96
38	100	0.25	80
28	100	0.125	11
20	97	0.063	2
14	97	0.031	1.56
10	97	0.0156	0.84
6.3	97	0.0078	0.65
5.0	97	0.0039	0.38
3.4	96	0.00031	0
2.0	96		
1.2	96		
0.60	96		
0.43	95		
0.30	92		
0.21	72		
0.15	14		
0.063	2		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	4%
	Sand	94%
	Silt	1.62%
	Clay	0.38%

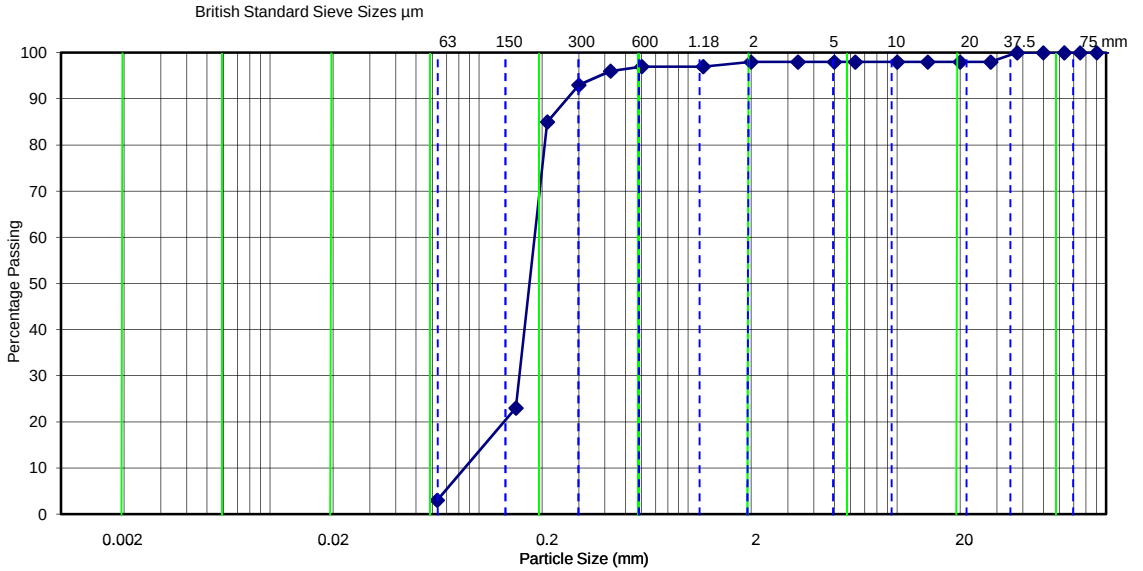
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S27
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 597624 N 6374181	**S27**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	98
75	100	2.0	98
63	100	1.0	97
50	100	0.5	96
38	100	0.25	88
28	98	0.125	17
20	98	0.063	3
14	98	0.031	2.04
10	98	0.0156	1.30
6.3	98	0.0078	0.81
5.0	98	0.0039	0.67
3.4	98	0.00031	0
2.0	98		
1.2	97		
0.60	97		
0.43	96		
0.30	93		
0.21	85		
0.15	23		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	2%
	Sand	95%
	Silt	2.33%
	Clay	0.67%

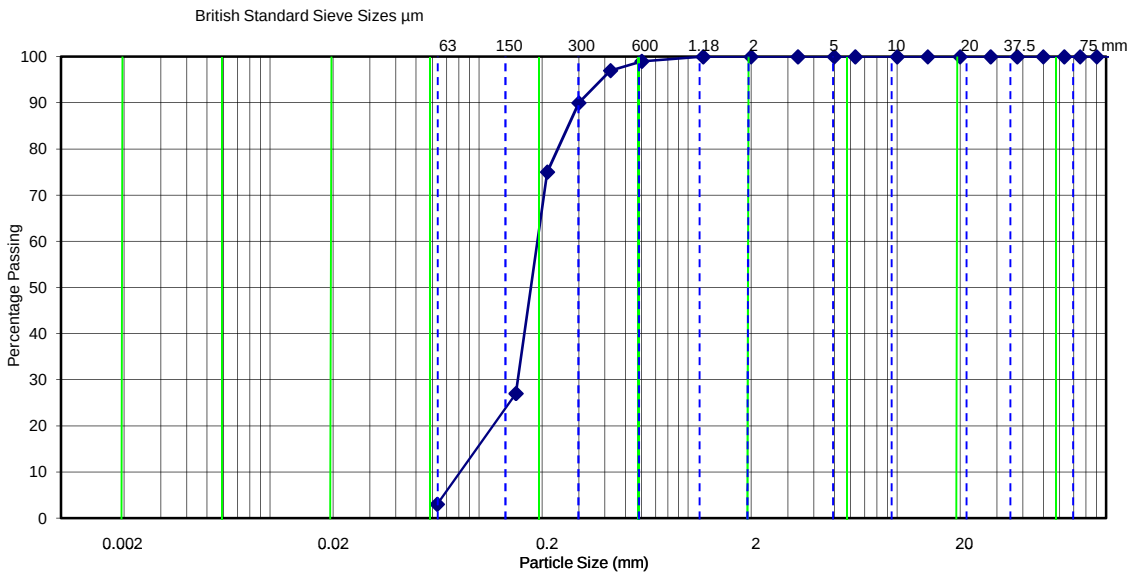
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S28
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 599288 N 6372978	**S28**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	100
50	100	0.5	98
38	100	0.25	81
28	100	0.125	20
20	100	0.063	3
14	100	0.031	1.45
10	100	0.0156	0.98
6.3	100	0.0078	0.59
5.0	100	0.0039	0.49
3.4	100	0.00031	0
2.0	100		
1.2	100		
0.60	99		
0.43	97		
0.30	90		
0.21	75		
0.15	27		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	97%
	Silt	2.51%
	Clay	0.49%

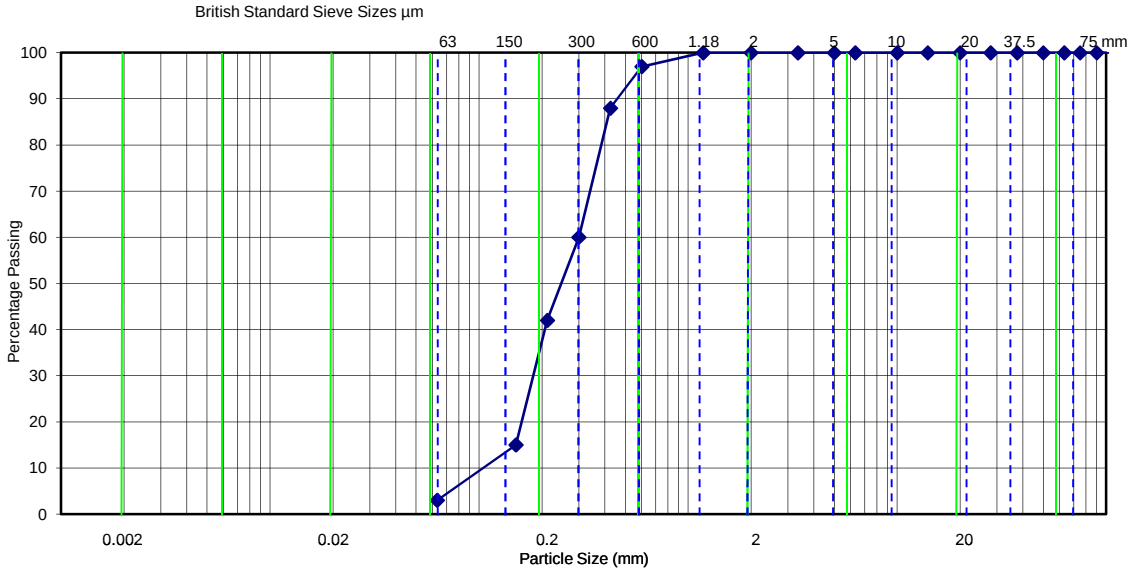
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S29
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	
	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 599887 N 6366576	**S29**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	99
50	100	0.5	93
38	100	0.25	50
28	100	0.125	13
20	100	0.063	3
14	100	0.031	2.02
10	100	0.0156	1.28
6.3	100	0.0078	0.83
5.0	100	0.0039	0.66
3.4	100	0.00031	0
2.0	100		
1.2	100		
0.60	97		
0.43	88		
0.30	60		
0.21	42		
0.15	15		
0.063	3		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	97%
	Silt	2.34%
	Clay	0.66%

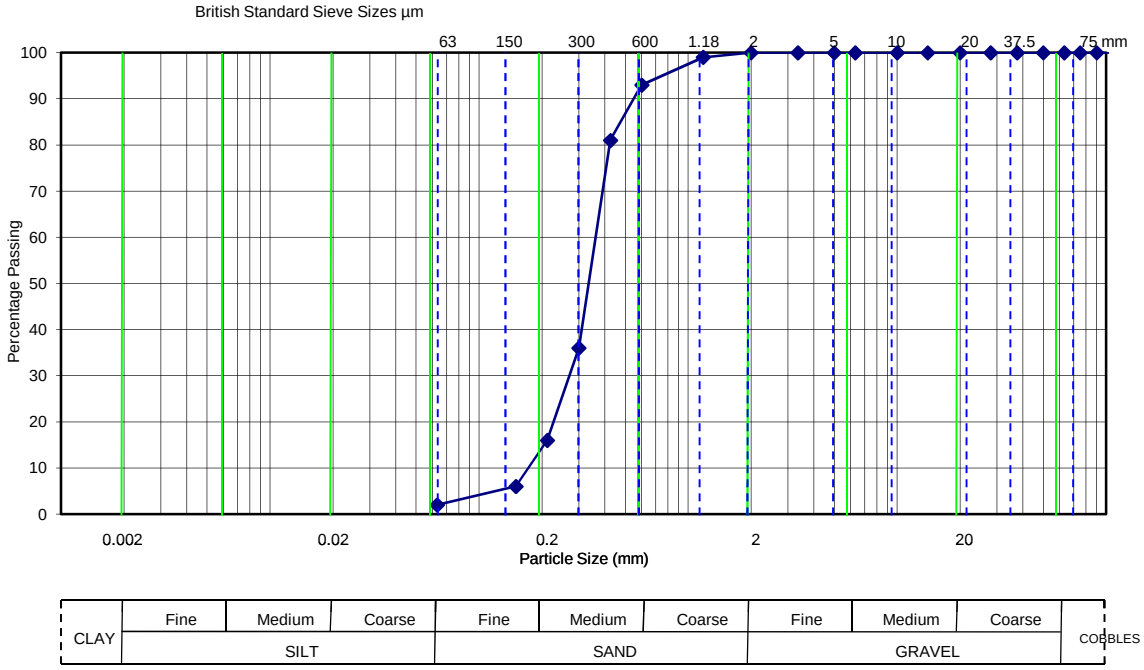
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S31
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	3

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 600734 N 6364899	**S31**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	98
50	100	0.5	88
38	100	0.25	24
28	100	0.125	4
20	100	0.063	2
14	100	0.031	0.99
10	100	0.0156	0.62
6.3	100	0.0078	0.40
5.0	100	0.0039	0.40
3.4	100	0.00031	0
2.0	100		
1.2	99		
0.60	93		
0.43	81		
0.30	36		
0.21	16		
0.15	6		
0.063	2		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	98%
	Silt	1.60%
	Clay	0.40%

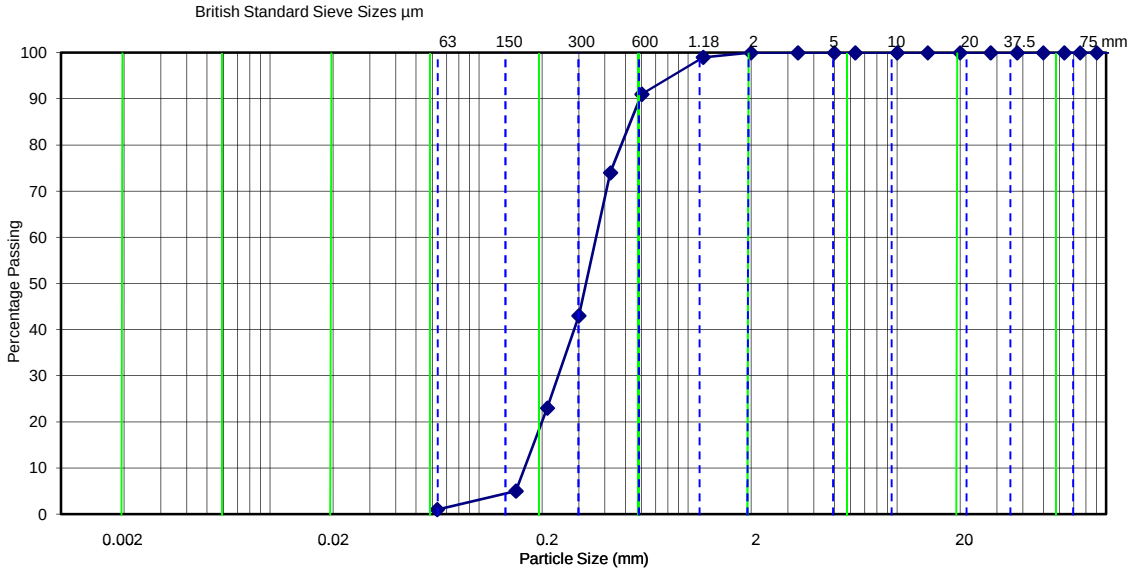
Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S32
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	
	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	01/09/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 601699 N 6365312	**S32**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

Particle Size Distribution



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

Sieving and Sedimentation		Wentworth Scale	
Particle Size mm	% Passing	Particle Size mm	% Passing
130	100	64	100
90	100	4.0	100
75	100	2.0	100
63	100	1.0	98
50	100	0.5	83
38	100	0.25	32
28	100	0.125	4
20	100	0.063	1
14	100	0.031	0.74
10	100	0.0156	0.16
6.3	100	0.0078	0
5.0	100	0.0039	0
3.4	100	0.00031	0
2.0	100		
1.2	99		
0.60	91		
0.43	74		
0.30	43		
0.21	23		
0.15	5		
0.063	1		

Sample Proportions - Wentworth Scale		
	Cobbles / boulders	0%
	Gravel	0%
	Sand	99%
	Silt	1%
	Clay	0%

Sample Details		
	Sample	Tub
	Sample Top, mBGL	0.00
	Sample Ref	S34
	Sample Type	Grab sample

Uniformity Coefficient D60 / D10	2

Test Method	BS 1377 : Part 2 : 1990	
	Sieving	9.2 wet sieve
	Laser Diffraction	Malvern (non-BS)

MMT Project Number	101462	**Site Test Date**	31/08/2013	**Core Location**	**Comments**
Vessel	Franklin	**Co-ordinates**	E 598066 N 6370567	**S34**	Wentworth Scale calculated from Sieving and Laser Diffraction data.
Client	Statoil	**Water Depth (m MSL)**			

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323426
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND

Run Number: 3
Record Number: 36

Measured: 26 Sep 2013 14:31PM
Analysed: 26 Sep 2013 14:31PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

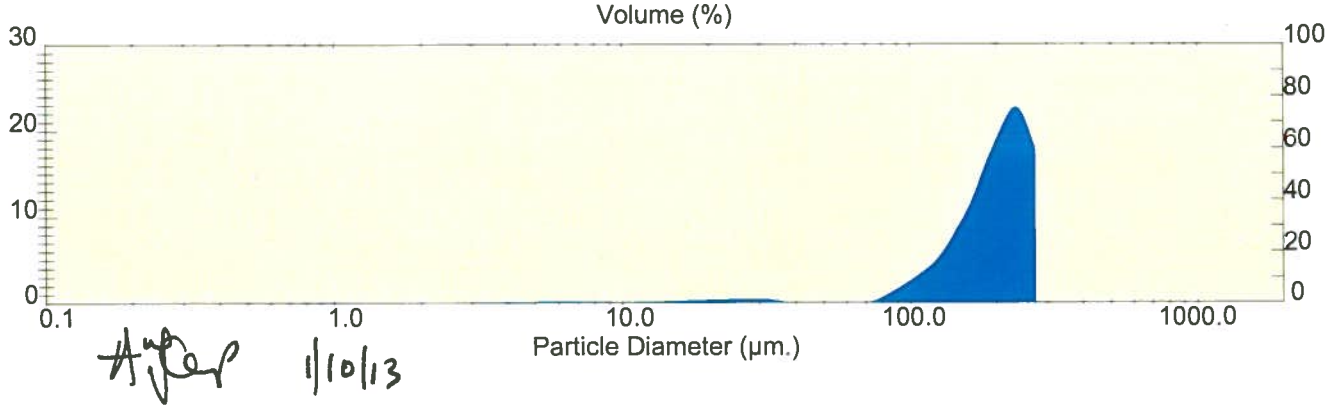
Measured Beam Obscuration: 10.3 %
Residual: 1.897 %

Result Statistics

Distribution Type: Volume
Concentration = 0.1180 %Vol
Density = 1.000 g / cub. cm
Specific S.A. = 0.0769 sq. m / g
Mean Diameters:
D (v, 0.1) = 117.94 um
D (v, 0.5) = 205.95 um
D (v, 0.9) = 274.32 um
D [4, 3] = 197.73 um
D [3, 2] = 78.07 um
Span = 7.593E-01
Uniformity = 2.355E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.05	0.78	0.05
0.78	0.09	0.91	0.15
0.91	0.09	1.06	0.24
1.06	0.07	1.24	0.30
1.24	0.04	1.44	0.35
1.44	0.03	1.68	0.38
1.68	0.04	1.95	0.42
1.95	0.04	2.28	0.46
2.28	0.05	2.65	0.51
2.65	0.06	3.09	0.58
3.09	0.09	3.60	0.67
3.60	0.11	4.19	0.77
4.19	0.13	4.88	0.91
4.88	0.15	5.69	1.06
5.69	0.16	6.63	1.22
6.63	0.15	7.72	1.37
7.72	0.12	9.00	1.49
9.00	0.11	10.48	1.60

Size Low (um)	In %	Size High (um)	Under%
10.48	0.11	12.21	1.71
12.21	0.16	14.22	1.87
14.22	0.22	16.57	2.09
16.57	0.29	19.31	2.38
19.31	0.36	22.49	2.74
22.49	0.42	26.20	3.16
26.20	0.45	30.53	3.60
30.53	0.36	35.56	3.96
35.56	0.02	41.43	3.98
41.43	0.00	48.27	3.98
48.27	0.00	56.23	3.98
56.23	0.00	65.51	3.98
65.51	0.00	76.32	3.98
76.32	0.87	88.91	4.85
88.91	2.15	103.58	6.99
103.58	3.66	120.67	10.66
120.67	5.91	140.58	16.57
140.58	9.53	163.77	26.10
163.77	14.59	190.80	40.69
190.80	19.83	222.28	60.52
222.28	22.47	258.95	82.99
258.95	17.01	301.68	100.00



1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323427
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW394 S34

Run Number: 5
Record Number: 38

Measured: 26 Sep 2013 14:39PM
Analysed: 26 Sep 2013 14:39PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 7.9 %
Residual: 4.615 %

Result Statistics

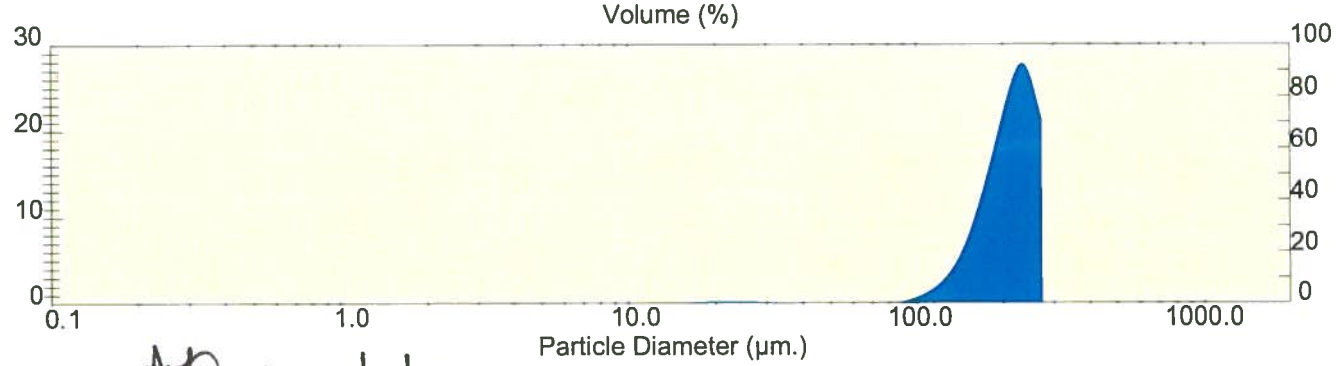
Distribution Type: Volume
Mean Diameters:
D [4, 3] = 215.56 um

Concentration = 0.2226 %Vol
D (v, 0.1) = 153.47 um
D [3, 2] = 194.60 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 219.26 um
Span = 5.675E-01

Specific S.A. = 0.0308 sq. m / g
D (v, 0.9) = 277.90 um
Uniformity = 1.791E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.00	2.28	0.00
2.28	0.00	2.65	0.00
2.65	0.00	3.09	0.00
3.09	0.00	3.60	0.00
3.60	0.00	4.19	0.00
4.19	0.00	4.88	0.00
4.88	0.00	5.69	0.00
5.69	0.00	6.63	0.00
6.63	0.00	7.72	0.00
7.72	0.00	9.00	0.00
9.00	0.00	10.48	0.00
10.48	0.00	12.21	0.00
12.21	0.00	14.22	0.00
14.22	0.03	16.57	0.03
16.57	0.14	19.31	0.16
19.31	0.17	22.49	0.33
22.49	0.17	26.20	0.50
26.20	0.15	30.53	0.65
30.53	0.09	35.56	0.74
35.56	0.00	41.43	0.74
41.43	0.00	48.27	0.74
48.27	0.00	56.23	0.74
56.23	0.00	65.51	0.74
65.51	0.00	76.32	0.74
76.32	0.00	88.91	0.74
88.91	0.46	103.58	1.20
103.58	1.47	120.67	2.67
120.67	3.54	140.58	6.21
140.58	7.80	163.77	14.01
163.77	14.96	190.80	28.97
190.80	23.42	222.28	52.39
222.28	27.51	258.95	79.90
258.95	20.10	301.68	100.00



AJCap 1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

Mastersizer Micro Ver. 2.19
Serial Number: 33031-18

26 Sep 13 16:22

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323428
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW395 S27

Run Number: 6
Record Number: 39

Measured: 26 Sep 2013 14:45PM
Analysed: 26 Sep 2013 14:45PM
Result Source: Analysed

System Details

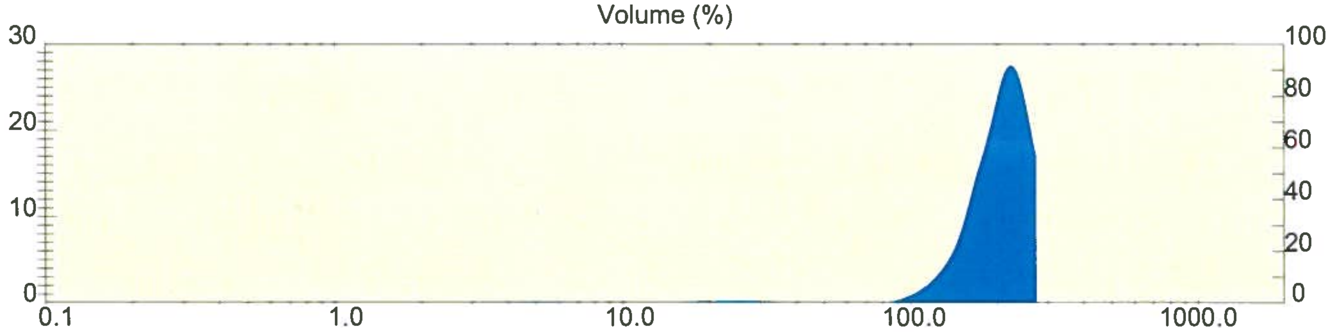
Sampler: Internal
Presentation: 4OHD [Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]
Analysis Model: Polydisperse
Modifications: None

Measured Beam Obscuration: 12.1 %
Residual: 4.842 %

Result Statistics

Distribution Type: Volume	Concentration = 0.2554 %Vol	Density = 1.000 g / cub. cm	Specific S.A. = 0.0411 sq. m / g
Mean Diameters:	D (v, 0.1) = 147.15 um	D (v, 0.5) = 211.91 um	D (v, 0.9) = 271.06 um
D [4, 3] = 208.10 um	D [3, 2] = 146.00 um	Span = 5.847E-01	Uniformity = 1.853E-01

Size Low (um)	In %	Size High (um)	Under%	Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00	10.48	0.00	12.21	0.65
0.36	0.00	0.42	0.00	12.21	0.00	14.22	0.65
0.42	0.00	0.49	0.00	14.22	0.06	16.57	0.70
0.49	0.00	0.58	0.00	16.57	0.14	19.31	0.84
0.58	0.00	0.67	0.00	19.31	0.18	22.49	1.03
0.67	0.00	0.78	0.00	22.49	0.20	26.20	1.23
0.78	0.00	0.91	0.00	26.20	0.19	30.53	1.42
0.91	0.00	1.06	0.00	30.53	0.13	35.56	1.56
1.06	0.00	1.24	0.00	35.56	0.00	41.43	1.56
1.24	0.00	1.44	0.00	41.43	0.00	48.27	1.56
1.44	0.00	1.68	0.00	48.27	0.00	56.23	1.56
1.68	0.00	1.95	0.00	56.23	0.00	65.51	1.56
1.95	0.00	2.28	0.00	65.51	0.00	76.32	1.56
2.28	0.04	2.65	0.04	76.32	0.02	88.91	1.58
2.65	0.05	3.09	0.09	88.91	0.61	103.58	2.19
3.09	0.08	3.60	0.17	103.58	1.78	120.67	3.97
3.60	0.10	4.19	0.27	120.67	4.09	140.58	8.06
4.19	0.12	4.88	0.38	140.58	8.78	163.77	16.83
4.88	0.12	5.69	0.50	163.77	16.64	190.80	33.48
5.69	0.10	6.63	0.60	190.80	25.20	222.28	58.67
6.63	0.04	7.72	0.65	222.28	25.78	258.95	84.45
7.72	0.00	9.00	0.65	258.95	15.55	301.68	100.00
9.00	0.00	10.48	0.65				



1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323429
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW396 S13

Run Number: 7
Record Number: 40

Measured: 26 Sep 2013 14:50PM
Analysed: 26 Sep 2013 14:51PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 11.6 %
Residual: 1.906 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 208.03 um

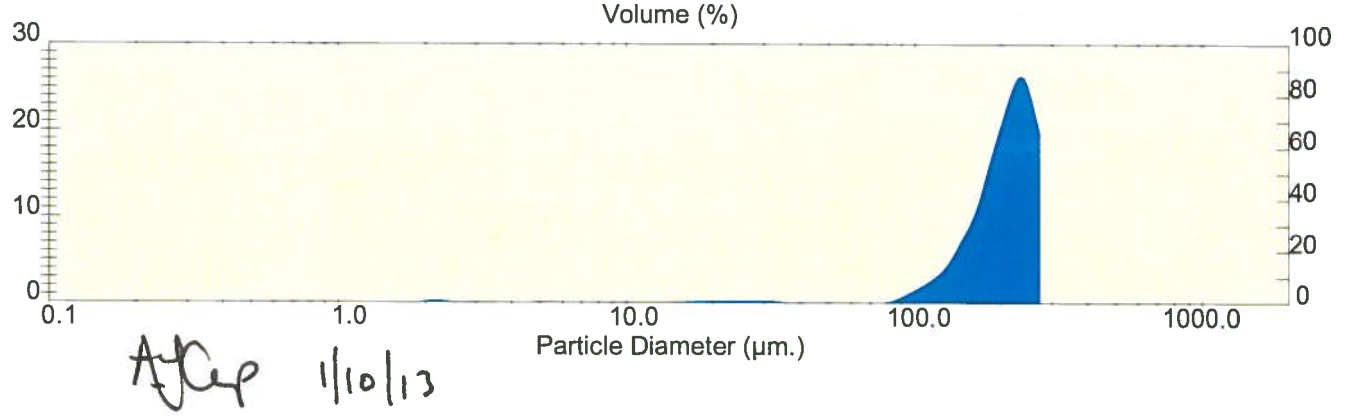
Concentration = 0.1880 %Vol
D (v, 0.1) = 138.32 um
D [3, 2] = 116.78 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 215.00 um
Span = 6.399E-01

Specific S.A. = 0.0514 sq. m / g
D (v, 0.9) = 275.90 um
Uniformity = 2.039E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.28	2.28	0.28
2.28	0.11	2.65	0.39
2.65	0.08	3.09	0.47
3.09	0.08	3.60	0.55
3.60	0.06	4.19	0.61
4.19	0.07	4.88	0.68
4.88	0.08	5.69	0.76
5.69	0.09	6.63	0.85
6.63	0.08	7.72	0.93
7.72	0.03	9.00	0.96
9.00	0.00	10.48	0.96

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.96
12.21	0.04	14.22	1.00
14.22	0.13	16.57	1.13
16.57	0.20	19.31	1.33
19.31	0.24	22.49	1.57
22.49	0.27	26.20	1.85
26.20	0.28	30.53	2.13
30.53	0.22	35.56	2.35
35.56	0.00	41.43	2.35
41.43	0.00	48.27	2.35
48.27	0.00	56.23	2.35
56.23	0.00	65.51	2.35
65.51	0.00	76.32	2.35
76.32	0.21	88.91	2.56
88.91	1.17	103.58	3.73
103.58	2.43	120.67	6.16
120.67	4.47	140.58	10.63
140.58	8.24	163.77	18.87
163.77	14.50	190.80	33.37
190.80	22.04	222.28	55.41
222.28	26.08	258.95	81.49
258.95	18.51	301.68	100.00



AJCup 1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323430
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW397 S11

Run Number: 8
Record Number: 41

Measured: 26 Sep 2013 14:54PM
Analysed: 26 Sep 2013 14:54PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 10.5 %
Residual: 2.524 %

Result Statistics

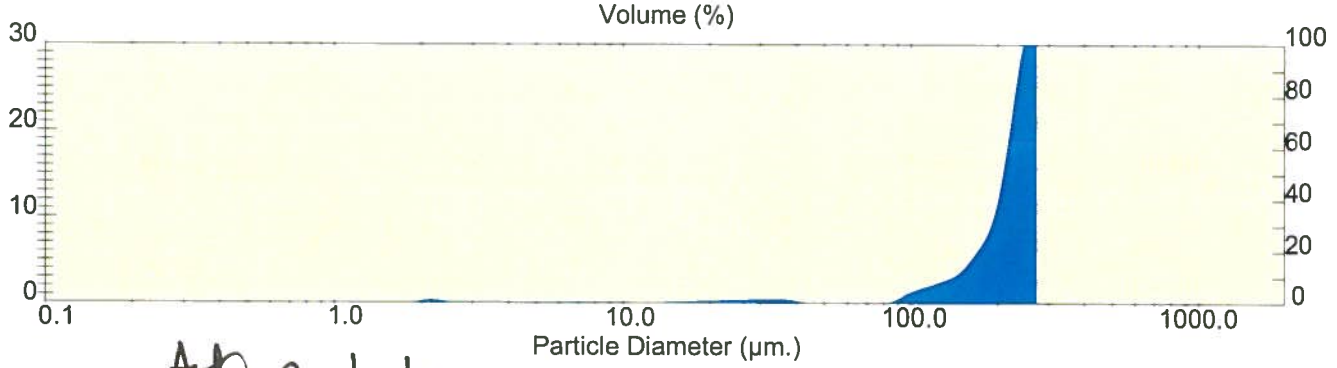
Distribution Type: Volume
Mean Diameters:
D [4, 3] = 227.56 um

Concentration = 0.1572 %Vol
D (v, 0.1) = 145.65 um
D [3, 2] = 108.99 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 244.88 um
Span = 5.909E-01

Specific S.A. = 0.0551 sq. m / g
D (v, 0.9) = 290.34 um
Uniformity = 1.787E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.32	2.28	0.32
2.28	0.14	2.65	0.46
2.65	0.10	3.09	0.56
3.09	0.10	3.60	0.66
3.60	0.07	4.19	0.73
4.19	0.08	4.88	0.82
4.88	0.09	5.69	0.91
5.69	0.11	6.63	1.02
6.63	0.11	7.72	1.13
7.72	0.11	9.00	1.24
9.00	0.09	10.48	1.32
10.48	0.07	12.21	1.39
12.21	0.09	14.22	1.48
14.22	0.14	16.57	1.63
16.57	0.21	19.31	1.84
19.31	0.28	22.49	2.12
22.49	0.35	26.20	2.47
26.20	0.43	30.53	2.90
30.53	0.47	35.56	3.37
35.56	0.36	41.43	3.73
41.43	0.00	48.27	3.73
48.27	0.00	56.23	3.73
56.23	0.00	65.51	3.73
65.51	0.00	76.32	3.73
76.32	0.00	88.91	3.73
88.91	1.04	103.58	4.77
103.58	1.87	120.67	6.64
120.67	2.62	140.58	9.26
140.58	3.93	163.77	13.19
163.77	6.85	190.80	20.04
190.80	13.74	222.28	33.78
222.28	28.04	258.95	61.82
258.95	38.18	301.68	100.00



A.Joy 1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323431
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW398 S03

Run Number: 9
Record Number: 42

Measured: 26 Sep 2013 14:58PM
Analysed: 26 Sep 2013 14:58PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 9.3 %
Residual: 2.927 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 224.24 um

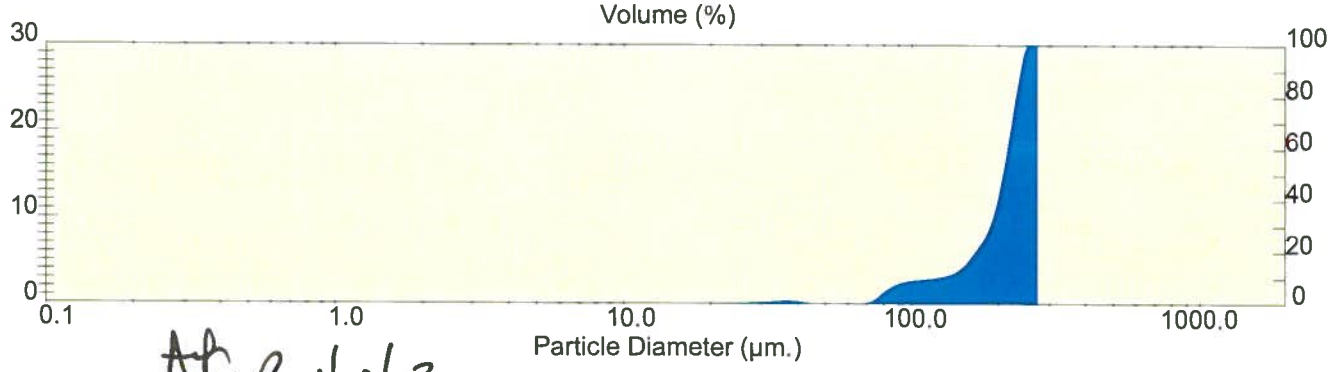
Concentration = 0.1672 %Vol
D (v, 0.1) = 129.83 um
D [3, 2] = 120.05 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 240.55 um
Span = 6.634E-01

Specific S.A. = 0.0500 sq. m / g
D (v, 0.9) = 289.41 um
Uniformity = 1.826E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.01	0.67	0.01
0.67	0.04	0.78	0.06
0.78	0.06	0.91	0.11
0.91	0.06	1.06	0.17
1.06	0.05	1.24	0.22
1.24	0.04	1.44	0.26
1.44	0.03	1.68	0.29
1.68	0.03	1.95	0.32
1.95	0.02	2.28	0.34
2.28	0.00	2.65	0.34
2.65	0.00	3.09	0.34
3.09	0.00	3.60	0.34
3.60	0.00	4.19	0.34
4.19	0.00	4.88	0.34
4.88	0.00	5.69	0.34
5.69	0.00	6.63	0.34
6.63	0.00	7.72	0.34
7.72	0.00	9.00	0.34
9.00	0.00	10.48	0.34

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.34
12.21	0.00	14.22	0.34
14.22	0.00	16.57	0.34
16.57	0.02	19.31	0.36
19.31	0.06	22.49	0.41
22.49	0.10	26.20	0.51
26.20	0.17	30.53	0.68
30.53	0.27	35.56	0.95
35.56	0.33	41.43	1.28
41.43	0.06	48.27	1.34
48.27	0.00	56.23	1.34
56.23	0.00	65.51	1.34
65.51	0.13	76.32	1.47
76.32	1.66	88.91	3.13
88.91	2.57	103.58	5.70
103.58	2.84	120.67	8.54
120.67	3.19	140.58	11.72
140.58	4.31	163.77	16.03
163.77	7.17	190.80	23.21
190.80	14.24	222.28	37.45
222.28	27.10	258.95	64.54
258.95	35.46	301.68	100.00



1/10/13

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Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

Mastersizer Micro Ver. 2.19
Serial Number: 33031-18

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323432
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW399 S26

Run Number: 10
Record Number: 43

Measured: 26 Sep 2013 15:08PM
Analysed: 26 Sep 2013 15:08PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 12.3 %
Residual: 2.908 %

Result Statistics

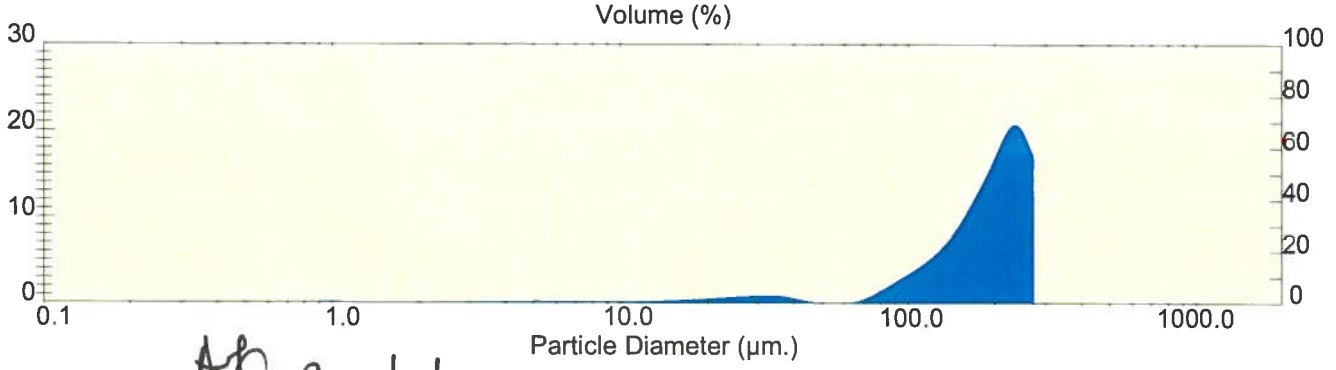
Distribution Type: Volume
Mean Diameters:
D [4, 3] = 188.15 um

Concentration = 0.1189 %Vol
D (v, 0.1) = 92.87 um
D [3, 2] = 67.06 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 199.81 um
Span = 9.050E-01

Specific S.A. = 0.0895 sq. m / g
D (v, 0.9) = 273.70 um
Uniformity = 2.831E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.09	0.91	0.09
0.91	0.12	1.06	0.21
1.06	0.09	1.24	0.31
1.24	0.06	1.44	0.37
1.44	0.05	1.68	0.42
1.68	0.05	1.95	0.47
1.95	0.07	2.28	0.54
2.28	0.08	2.65	0.62
2.65	0.10	3.09	0.72
3.09	0.12	3.60	0.84
3.60	0.15	4.19	0.99
4.19	0.17	4.88	1.16
4.88	0.19	5.69	1.35
5.69	0.20	6.63	1.55
6.63	0.19	7.72	1.74
7.72	0.18	9.00	1.91
9.00	0.17	10.48	2.08
10.48	0.18	12.21	2.27
12.21	0.23	14.22	2.50
14.22	0.31	16.57	2.81
16.57	0.42	19.31	3.22
19.31	0.55	22.49	3.77
22.49	0.70	26.20	4.47
26.20	0.83	30.53	5.30
30.53	0.87	35.56	6.17
35.56	0.69	41.43	6.87
41.43	0.24	48.27	7.11
48.27	0.00	56.23	7.11
56.23	0.00	65.51	7.11
65.51	0.51	76.32	7.62
76.32	1.66	88.91	9.28
88.91	2.97	103.58	12.25
103.58	4.39	120.67	16.65
120.67	6.29	140.58	22.94
140.58	9.15	163.77	32.09
163.77	13.08	190.80	45.17
190.80	17.77	222.28	62.94
222.28	20.64	258.95	83.58
258.95	16.42	301.68	100.00



AJ Sep 1/10/13

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Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323434 33
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW400 S28 24

Run Number: 12
Record Number: 45

Measured: 26 Sep 2013 15:20PM
Analysed: 26 Sep 2013 15:20PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 15.2 %
Residual: 1.892 %

Result Statistics

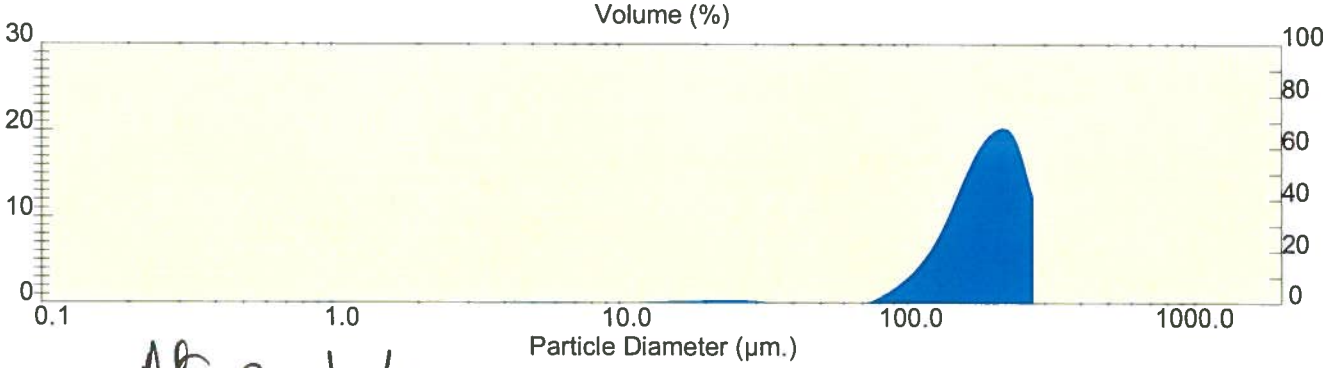
Distribution Type: Volume
Mean Diameters:
D [4, 3] = 188.40 um

Concentration = 0.1925 %Vol
D (v, 0.1) = 117.74 um
D [3, 2] = 84.05 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 190.96 um
Span = 7.607E-01

Specific S.A. = 0.0714 sq. m / g
D (v, 0.9) = 263.00 um
Uniformity = 2.462E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.03	0.78	0.03
0.78	0.09	0.91	0.12
0.91	0.09	1.06	0.21
1.06	0.07	1.24	0.28
1.24	0.04	1.44	0.32
1.44	0.03	1.68	0.35
1.68	0.03	1.95	0.38
1.95	0.03	2.28	0.42
2.28	0.04	2.65	0.46
2.65	0.05	3.09	0.51
3.09	0.08	3.60	0.59
3.60	0.10	4.19	0.69
4.19	0.12	4.88	0.81
4.88	0.13	5.69	0.94
5.69	0.12	6.63	1.06
6.63	0.09	7.72	1.15
7.72	0.05	9.00	1.20
9.00	0.03	10.48	1.24
10.48	0.06	12.21	1.30
12.21	0.13	14.22	1.43
14.22	0.20	16.57	1.63
16.57	0.27	19.31	1.90
19.31	0.31	22.49	2.21
22.49	0.33	26.20	2.54
26.20	0.28	30.53	2.82
30.53	0.12	35.56	2.94
35.56	0.00	41.43	2.94
41.43	0.00	48.27	2.94
48.27	0.00	56.23	2.94
56.23	0.00	65.51	2.94
65.51	0.01	76.32	2.95
76.32	0.93	88.91	3.88
88.91	2.41	103.58	6.29
103.58	4.66	120.67	10.95
120.67	8.16	140.58	19.11
140.58	13.03	163.77	32.15
163.77	17.74	190.80	49.89
190.80	20.11	222.28	70.00
222.28	18.56	258.95	88.56
258.95	11.44	301.68	100.00



AGap 1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323433 34
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW400 S24 1 23

Run Number: 11
Record Number: 44

Measured: 26 Sep 2013 15:12PM
Analysed: 26 Sep 2013 15:12PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 9.9 %
Residual: 3.837 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 203.34 um

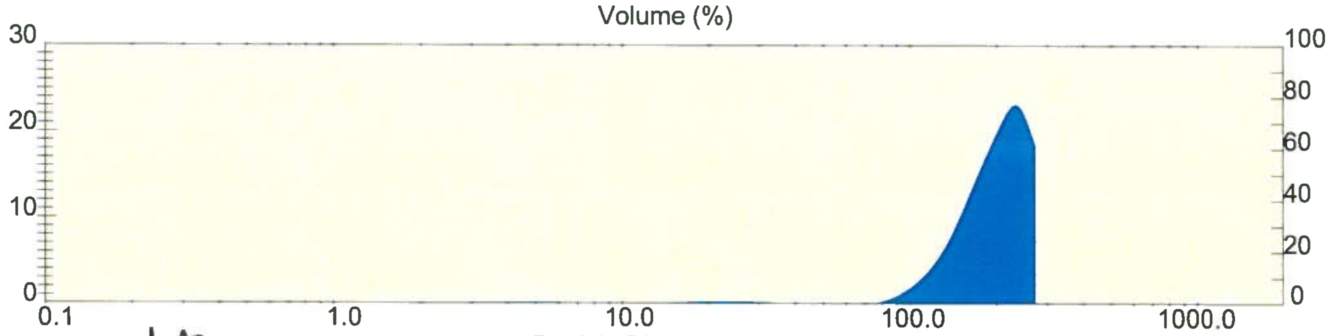
Concentration = 0.1867 %Vol
D (v, 0.1) = 132.61 um
D [3, 2] = 132.69 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 207.79 um
Span = 6.857E-01

Specific S.A. = 0.0452 sq. m / g
D (v, 0.9) = 275.10 um
Uniformity = 2.129E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.06	2.28	0.06
2.28	0.05	2.65	0.11
2.65	0.06	3.09	0.17
3.09	0.09	3.60	0.26
3.60	0.10	4.19	0.36
4.19	0.12	4.88	0.48
4.88	0.12	5.69	0.60
5.69	0.10	6.63	0.71
6.63	0.05	7.72	0.76
7.72	0.00	9.00	0.76
9.00	0.00	10.48	0.76

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.76
12.21	0.02	14.22	0.78
14.22	0.11	16.57	0.89
16.57	0.17	19.31	1.06
19.31	0.21	22.49	1.27
22.49	0.22	26.20	1.49
26.20	0.19	30.53	1.68
30.53	0.10	35.56	1.79
35.56	0.00	41.43	1.79
41.43	0.00	48.27	1.79
48.27	0.00	56.23	1.79
56.23	0.00	65.51	1.79
65.51	0.00	76.32	1.79
76.32	0.33	88.91	2.12
88.91	1.38	103.58	3.50
103.58	3.16	120.67	6.66
120.67	6.10	140.58	12.76
140.58	10.53	163.77	23.29
163.77	15.75	190.80	39.04
190.80	20.61	222.28	59.65
222.28	22.85	258.95	82.50
258.95	17.50	301.68	100.00



1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323435
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW402 S16

Run Number: 13
Record Number: 46

Measured: 26 Sep 2013 15:23PM
Analysed: 26 Sep 2013 15:23PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 9.3 %
Residual: 1.795 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 188.57 um

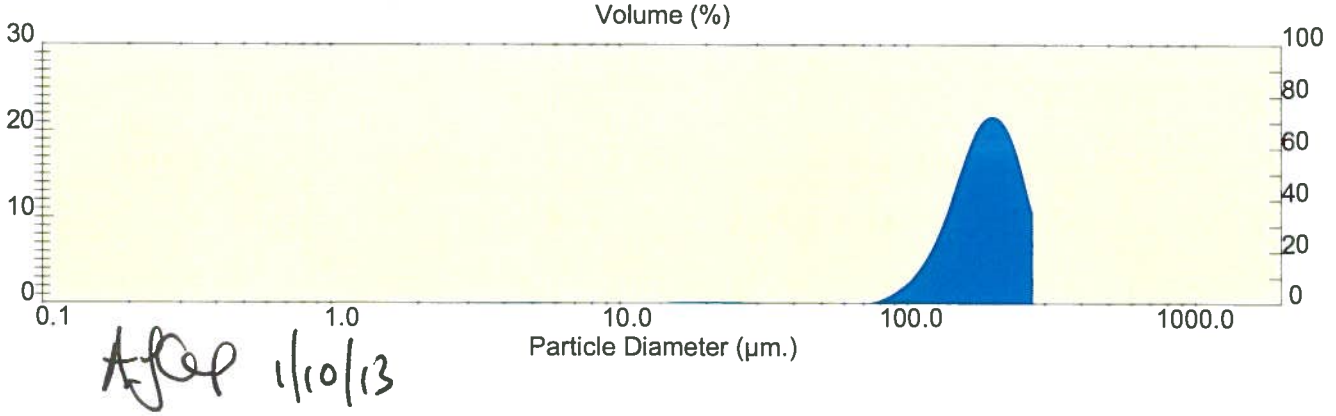
Concentration = 0.1683 %Vol
D (v, 0.1) = 125.59 um
D [3, 2] = 127.48 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 188.31 um
Span = 6.984E-01

Specific S.A. = 0.0471 sq. m / g
D (v, 0.9) = 257.11 um
Uniformity = 2.243E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.05	2.28	0.05
2.28	0.06	2.65	0.11
2.65	0.07	3.09	0.18
3.09	0.09	3.60	0.27
3.60	0.11	4.19	0.38
4.19	0.12	4.88	0.50
4.88	0.11	5.69	0.61
5.69	0.07	6.63	0.69
6.63	0.01	7.72	0.69
7.72	0.00	9.00	0.69
9.00	0.00	10.48	0.69

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.69
12.21	0.05	14.22	0.74
14.22	0.14	16.57	0.88
16.57	0.18	19.31	1.06
19.31	0.19	22.49	1.25
22.49	0.17	26.20	1.42
26.20	0.12	30.53	1.54
30.53	0.02	35.56	1.56
35.56	0.00	41.43	1.56
41.43	0.00	48.27	1.56
48.27	0.00	56.23	1.56
56.23	0.00	65.51	1.56
65.51	0.00	76.32	1.56
76.32	0.56	88.91	2.12
88.91	1.87	103.58	4.00
103.58	4.26	120.67	8.26
120.67	8.49	140.58	16.76
140.58	14.74	163.77	31.49
163.77	20.37	190.80	51.86
190.80	21.46	222.28	73.32
222.28	17.33	258.95	90.65
258.95	9.35	301.68	100.00



AJ 1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323436
Sample File: 130927
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW403 S09

Run Number: 4
Record Number: 4

Measured: 27 Sep 2013 11:21PM
Analysed: 27 Sep 2013 11:21PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 0.9 %
Residual: 3.937 %

Result Statistics

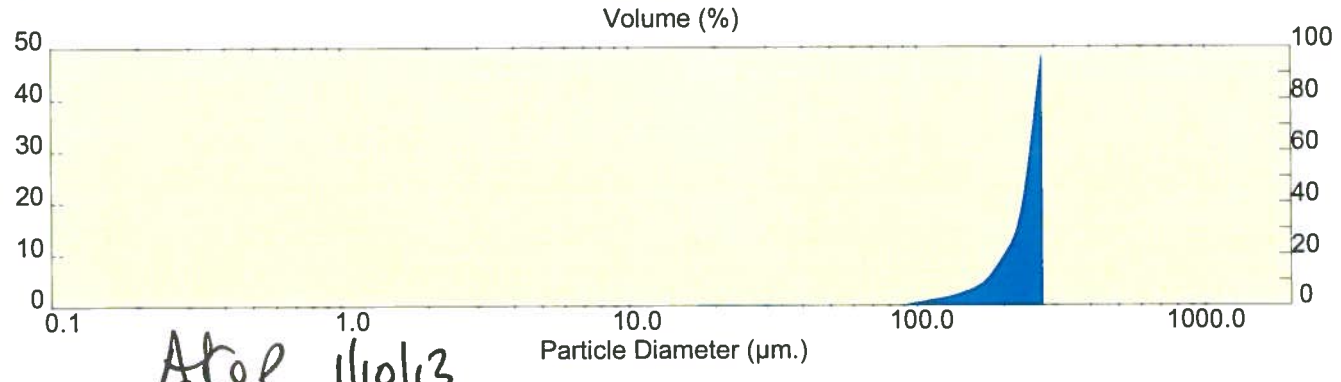
Distribution Type: Volume
Mean Diameters:
D [4, 3] = 244.20 um

Concentration = 0.0281 %Vol
D (v, 0.1) = 177.89 um
D [3, 2] = 215.76 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 260.73 um
Span = 4.448E-01

Specific S.A. = 0.0278 sq. m / g
D (v, 0.9) = 293.85 um
Uniformity = 1.381E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.00	2.28	0.00
2.28	0.00	2.65	0.00
2.65	0.00	3.09	0.00
3.09	0.00	3.60	0.00
3.60	0.00	4.19	0.00
4.19	0.00	4.88	0.00
4.88	0.00	5.69	0.00
5.69	0.00	6.63	0.00
6.63	0.00	7.72	0.00
7.72	0.00	9.00	0.00
9.00	0.00	10.48	0.00
10.48	0.00	12.21	0.00
12.21	0.00	14.22	0.00
14.22	0.00	16.57	0.00
16.57	0.19	19.31	0.19
19.31	0.22	22.49	0.41
22.49	0.18	26.20	0.59
26.20	0.19	30.53	0.78
30.53	0.19	35.56	0.97
35.56	0.11	41.43	1.09
41.43	0.00	48.27	1.09
48.27	0.00	56.23	1.09
56.23	0.00	65.51	1.09
65.51	0.00	76.32	1.09
76.32	0.00	88.91	1.09
88.91	0.47	103.58	1.56
103.58	1.13	120.67	2.69
120.67	1.85	140.58	4.54
140.58	3.02	163.77	7.56
163.77	5.45	190.80	13.01
190.80	10.82	222.28	23.83
222.28	24.28	258.95	48.11
258.95	51.89	301.68	100.00



AJCP 1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323437
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW404 S07

Run Number: 14
Record Number: 47

Measured: 26 Sep 2013 15:26PM
Analysed: 26 Sep 2013 15:26PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 5.6 %
Residual: 2.649 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 218.92 um

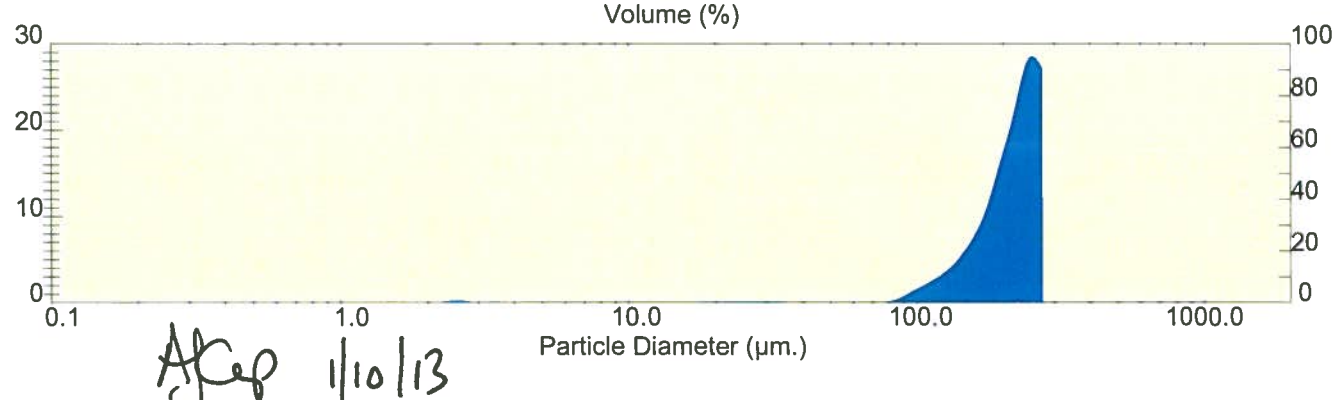
Concentration = 0.1148 %Vol
D (v, 0.1) = 144.81 um
D [3, 2] = 148.46 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 228.28 um
Span = 6.111E-01

Specific S.A. = 0.0404 sq. m / g
D (v, 0.9) = 284.32 um
Uniformity = 1.885E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.00	2.28	0.00
2.28	0.23	2.65	0.23
2.65	0.07	3.09	0.30
3.09	0.08	3.60	0.38
3.60	0.04	4.19	0.42
4.19	0.04	4.88	0.45
4.88	0.03	5.69	0.49
5.69	0.03	6.63	0.51
6.63	0.01	7.72	0.53
7.72	0.00	9.00	0.53
9.00	0.00	10.48	0.53

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.53
12.21	0.00	14.22	0.53
14.22	0.02	16.57	0.55
16.57	0.07	19.31	0.62
19.31	0.11	22.49	0.73
22.49	0.13	26.20	0.86
26.20	0.14	30.53	0.99
30.53	0.11	35.56	1.11
35.56	0.00	41.43	1.11
41.43	0.00	48.27	1.11
48.27	0.00	56.23	1.11
56.23	0.00	65.51	1.11
65.51	0.00	76.32	1.11
76.32	0.20	88.91	1.31
88.91	1.22	103.58	2.53
103.58	2.42	120.67	4.95
120.67	4.00	140.58	8.95
140.58	6.68	163.77	15.63
163.77	11.37	190.80	27.00
190.80	18.84	222.28	45.84
222.28	27.55	258.95	73.39
258.95	26.61	301.68	100.00



AJ Cap 1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

Mastersizer Micro Ver. 2.19
Serial Number: 33031-18

26 Sep 13 16:20

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323438
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW405 S21

Run Number: 15
Record Number: 48

Measured: 26 Sep 2013 15:29PM
Analysed: 26 Sep 2013 15:30PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 8.5 %
Residual: 2.339 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 201.60 um

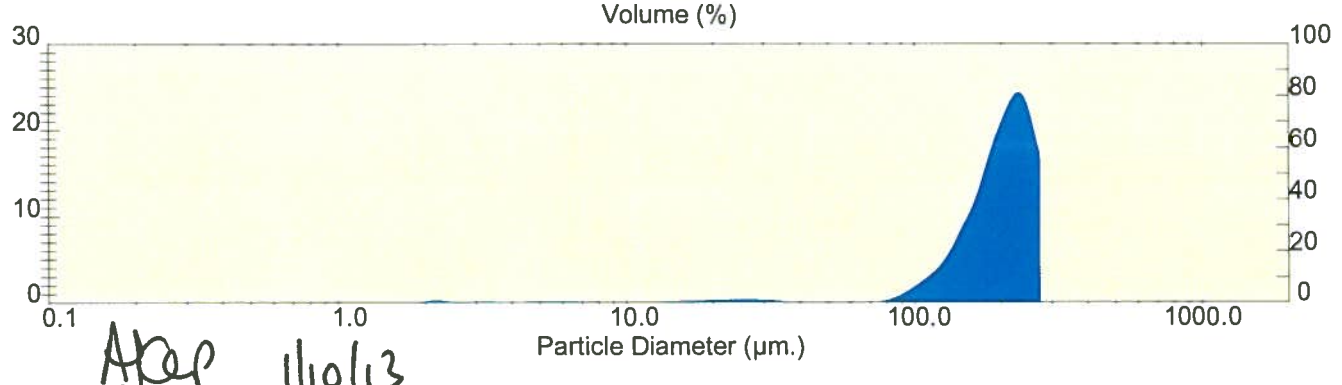
Concentration = 0.1251 %Vol
D (v, 0.1) = 130.58 um
D [3, 2] = 106.90 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 207.85 um
Span = 6.811E-01

Specific S.A. = 0.0561 sq. m / g
D (v, 0.9) = 272.16 um
Uniformity = 2.138E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.24	2.28	0.24
2.28	0.13	2.65	0.37
2.65	0.11	3.09	0.48
3.09	0.11	3.60	0.59
3.60	0.10	4.19	0.70
4.19	0.11	4.88	0.81
4.88	0.12	5.69	0.93
5.69	0.12	6.63	1.05
6.63	0.10	7.72	1.15
7.72	0.06	9.00	1.22
9.00	0.03	10.48	1.24

Size Low (um)	In %	Size High (um)	Under%
10.48	0.03	12.21	1.28
12.21	0.08	14.22	1.36
14.22	0.16	16.57	1.52
16.57	0.23	19.31	1.75
19.31	0.28	22.49	2.02
22.49	0.31	26.20	2.33
26.20	0.30	30.53	2.63
30.53	0.21	35.56	2.84
35.56	0.00	41.43	2.84
41.43	0.00	48.27	2.84
48.27	0.00	56.23	2.84
56.23	0.00	65.51	2.84
65.51	0.00	76.32	2.84
76.32	0.35	88.91	3.19
88.91	1.44	103.58	4.62
103.58	3.00	120.67	7.62
120.67	5.47	140.58	13.09
140.58	9.64	163.77	22.73
163.77	15.66	190.80	38.39
190.80	21.83	222.28	60.21
222.28	23.79	258.95	84.01
258.95	15.99	301.68	100.00



AJ 11/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323439
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW406 S29

Run Number: 16
Record Number: 49

Measured: 26 Sep 2013 15:34PM
Analysed: 26 Sep 2013 15:34PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 8.9 %
Residual: 2.009 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 179.76 um

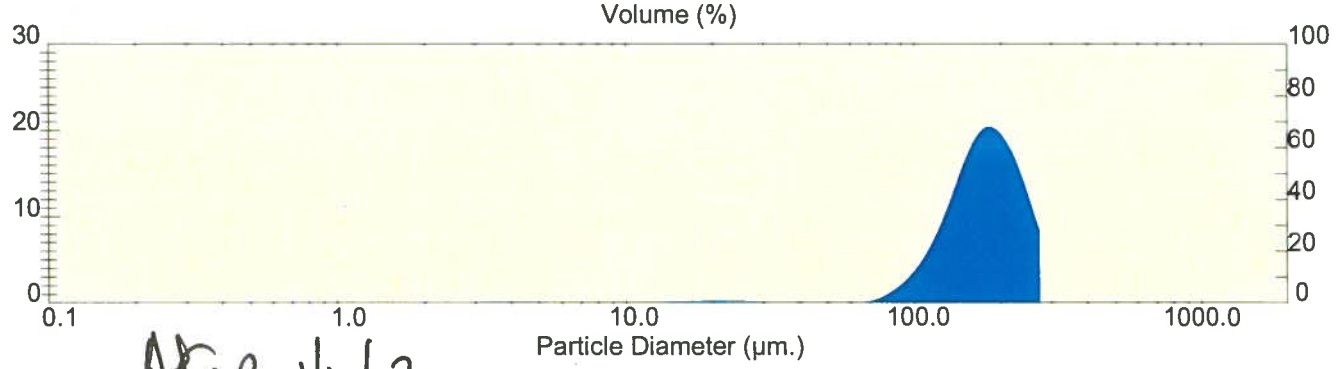
Concentration = 0.1569 %Vol
D (v, 0.1) = 116.52 um
D [3, 2] = 124.36 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 177.72 um
Span = 7.548E-01

Specific S.A. = 0.0482 sq. m / g
D (v, 0.9) = 250.66 um
Uniformity = 2.334E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.06	2.28	0.06
2.28	0.06	2.65	0.12
2.65	0.07	3.09	0.19
3.09	0.09	3.60	0.28
3.60	0.10	4.19	0.39
4.19	0.10	4.88	0.49
4.88	0.08	5.69	0.56
5.69	0.03	6.63	0.59
6.63	0.00	7.72	0.59
7.72	0.00	9.00	0.59
9.00	0.00	10.48	0.59

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.59
12.21	0.07	14.22	0.66
14.22	0.14	16.57	0.80
16.57	0.18	19.31	0.98
19.31	0.19	22.49	1.17
22.49	0.17	26.20	1.34
26.20	0.10	30.53	1.45
30.53	0.00	35.56	1.45
35.56	0.00	41.43	1.45
41.43	0.00	48.27	1.45
48.27	0.00	56.23	1.45
56.23	0.00	65.51	1.45
65.51	0.16	76.32	1.61
76.32	1.16	88.91	2.76
88.91	2.95	103.58	5.71
103.58	6.01	120.67	11.72
120.67	10.86	140.58	22.58
140.58	16.73	163.77	39.31
163.77	20.21	190.80	59.52
190.80	18.89	222.28	78.42
222.28	14.01	258.95	92.42
258.95	7.58	301.68	100.00



AJ Sep 1/10/13

Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323440
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW407 S18

Run Number: 17
Record Number: 50

Measured: 26 Sep 2013 15:38PM
Analysed: 26 Sep 2013 15:38PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 8.7 %
Residual: 1.952 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 177.38 um

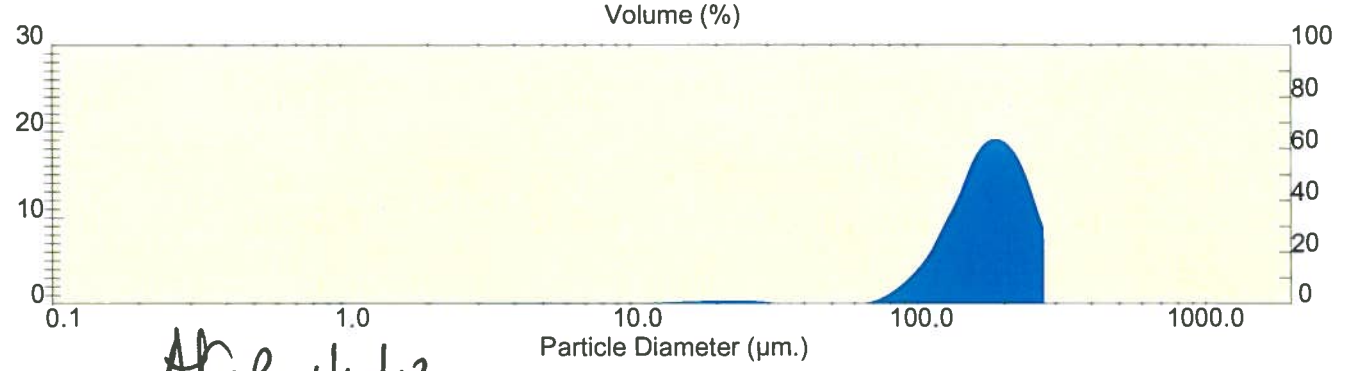
Concentration = 0.1017 %Vol
D (v, 0.1) = 109.78 um
D [3, 2] = 80.27 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 177.27 um
Span = 8.036E-01

Specific S.A. = 0.0747 sq. m / g
D (v, 0.9) = 252.24 um
Uniformity = 2.529E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.05	0.78	0.05
0.78	0.08	0.91	0.13
0.91	0.08	1.06	0.21
1.06	0.07	1.24	0.28
1.24	0.05	1.44	0.32
1.44	0.04	1.68	0.36
1.68	0.03	1.95	0.39
1.95	0.04	2.28	0.43
2.28	0.05	2.65	0.48
2.65	0.06	3.09	0.54
3.09	0.08	3.60	0.62
3.60	0.10	4.19	0.73
4.19	0.12	4.88	0.84
4.88	0.11	5.69	0.96
5.69	0.09	6.63	1.05
6.63	0.06	7.72	1.11
7.72	0.03	9.00	1.14
9.00	0.04	10.48	1.18

Size Low (um)	In %	Size High (um)	Under%
10.48	0.08	12.21	1.26
12.21	0.15	14.22	1.41
14.22	0.24	16.57	1.65
16.57	0.31	19.31	1.95
19.31	0.35	22.49	2.31
22.49	0.35	26.20	2.66
26.20	0.26	30.53	2.92
30.53	0.04	35.56	2.96
35.56	0.00	41.43	2.96
41.43	0.00	48.27	2.96
48.27	0.00	56.23	2.96
56.23	0.00	65.51	2.96
65.51	0.31	76.32	3.26
76.32	1.47	88.91	4.74
88.91	3.33	103.58	8.07
103.58	6.23	120.67	14.29
120.67	10.53	140.58	24.82
140.58	15.57	163.77	40.39
163.77	18.82	190.80	59.21
190.80	18.38	222.28	77.59
222.28	14.42	258.95	92.00
258.95	8.00	301.68	100.00



AJCP 1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323441
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW408 S15

Run Number: 18
Record Number: 51

Measured: 26 Sep 2013 15:41PM
Analysed: 26 Sep 2013 15:41PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 9.7 %
Residual: 1.960 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 177.69 um

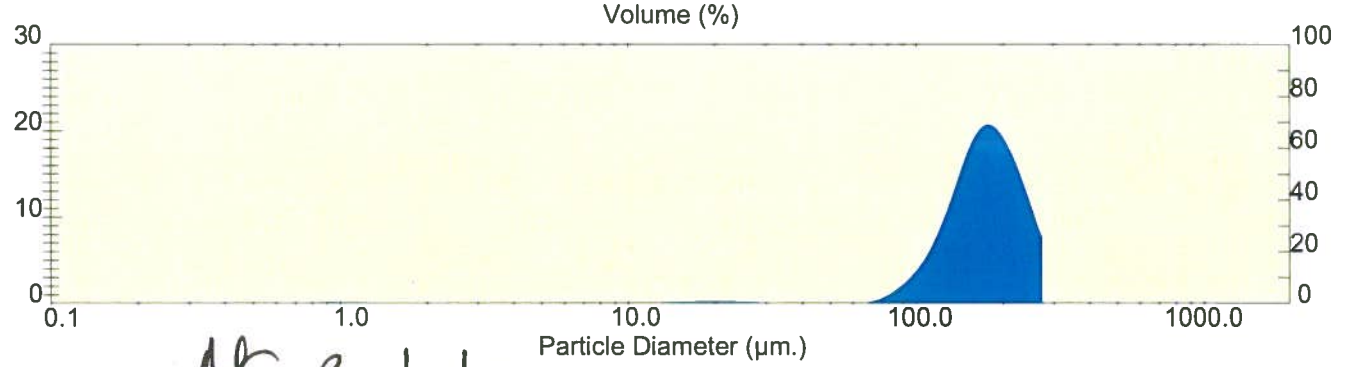
Concentration = 0.1313 %Vol
D (v, 0.1) = 115.85 um
D [3, 2] = 90.12 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 175.12 um
Span = 7.541E-01

Specific S.A. = 0.0666 sq. m / g
D (v, 0.9) = 247.91 um
Uniformity = 2.332E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.05	0.78	0.05
0.78	0.10	0.91	0.15
0.91	0.11	1.06	0.27
1.06	0.09	1.24	0.36
1.24	0.07	1.44	0.43
1.44	0.05	1.68	0.47
1.68	0.00	1.95	0.47
1.95	0.00	2.28	0.47
2.28	0.00	2.65	0.47
2.65	0.00	3.09	0.47
3.09	0.00	3.60	0.47
3.60	0.00	4.19	0.47
4.19	0.00	4.88	0.47
4.88	0.00	5.69	0.47
5.69	0.00	6.63	0.47
6.63	0.00	7.72	0.47
7.72	0.00	9.00	0.47
9.00	0.00	10.48	0.47

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.47
12.21	0.08	14.22	0.55
14.22	0.16	16.57	0.71
16.57	0.19	19.31	0.90
19.31	0.20	22.49	1.10
22.49	0.18	26.20	1.28
26.20	0.10	30.53	1.39
30.53	0.00	35.56	1.39
35.56	0.00	41.43	1.39
41.43	0.00	48.27	1.39
48.27	0.00	56.23	1.39
56.23	0.00	65.51	1.39
65.51	0.20	76.32	1.58
76.32	1.22	88.91	2.80
88.91	3.05	103.58	5.84
103.58	6.22	120.67	12.06
120.67	11.37	140.58	23.43
140.58	17.56	163.77	40.99
163.77	20.65	190.80	61.64
190.80	18.37	222.28	80.01
222.28	13.04	258.95	93.05
258.95	6.95	301.68	100.00



1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323442
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW409 S28

Run Number: 19
Record Number: 52

Measured: 26 Sep 2013 15:45PM
Analysed: 26 Sep 2013 15:46PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 9.3 %
Residual: 1.893 %

Result Statistics

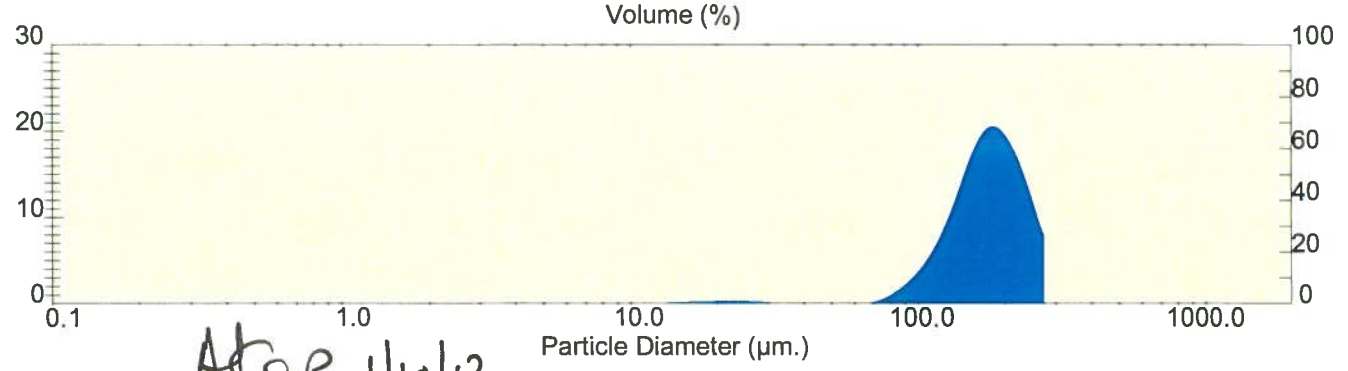
Distribution Type: Volume
Mean Diameters:
D [4, 3] = 177.91 um

Concentration = 0.1248 %Vol
D (v, 0.1) = 114.38 um
D [3, 2] = 91.50 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 176.67 um
Span = 7.613E-01

Specific S.A. = 0.0656 sq. m / g
D (v, 0.9) = 248.89 um
Uniformity = 2.360E-01

Size Low (um)	In %	Size High (um)	Under%	Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00	10.48	0.00	12.21	0.81
0.36	0.00	0.42	0.00	12.21	0.09	14.22	0.90
0.42	0.00	0.49	0.00	14.22	0.17	16.57	1.06
0.49	0.00	0.58	0.00	16.57	0.23	19.31	1.30
0.58	0.00	0.67	0.00	19.31	0.27	22.49	1.57
0.67	0.03	0.78	0.03	22.49	0.27	26.20	1.84
0.78	0.07	0.91	0.10	26.20	0.20	30.53	2.04
0.91	0.08	1.06	0.18	30.53	0.00	35.56	2.04
1.06	0.06	1.24	0.24	35.56	0.00	41.43	2.04
1.24	0.04	1.44	0.28	41.43	0.00	48.27	2.04
1.44	0.03	1.68	0.31	48.27	0.00	56.23	2.04
1.68	0.02	1.95	0.33	56.23	0.00	65.51	2.04
1.95	0.03	2.28	0.36	65.51	0.19	76.32	2.23
2.28	0.03	2.65	0.39	76.32	1.26	88.91	3.49
2.65	0.04	3.09	0.43	88.91	3.05	103.58	6.54
3.09	0.06	3.60	0.49	103.58	6.00	120.67	12.54
3.60	0.08	4.19	0.58	120.67	10.74	140.58	23.28
4.19	0.09	4.88	0.67	140.58	16.74	163.77	40.02
4.88	0.09	5.69	0.76	163.77	20.41	190.80	60.42
5.69	0.05	6.63	0.81	190.80	18.87	222.28	79.29
6.63	0.00	7.72	0.81	222.28	13.58	258.95	92.87
7.72	0.00	9.00	0.81	258.95	7.13	301.68	100.00
9.00	0.00	10.48	0.81				



Agap 1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323443
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW410 S22

Run Number: 20
Record Number: 53

Measured: 26 Sep 2013 15:50PM
Analysed: 26 Sep 2013 15:50PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 11.0 %
Residual: 1.821 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 175.98 um

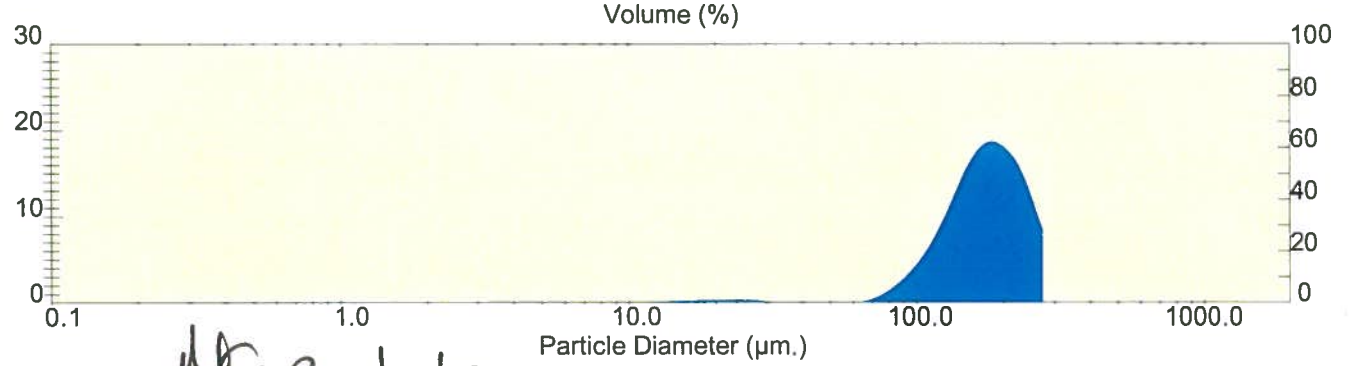
Concentration = 0.1379 %Vol
D (v, 0.1) = 108.47 um
D [3, 2] = 85.76 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 174.85 um
Span = 8.176E-01

Specific S.A. = 0.0700 sq. m / g
D (v, 0.9) = 251.43 um
Uniformity = 2.569E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.03	0.78	0.03
0.78	0.07	0.91	0.10
0.91	0.08	1.06	0.18
1.06	0.07	1.24	0.25
1.24	0.04	1.44	0.29
1.44	0.03	1.68	0.33
1.68	0.03	1.95	0.35
1.95	0.03	2.28	0.39
2.28	0.04	2.65	0.43
2.65	0.05	3.09	0.49
3.09	0.08	3.60	0.56
3.60	0.09	4.19	0.65
4.19	0.10	4.88	0.76
4.88	0.10	5.69	0.86
5.69	0.07	6.63	0.93
6.63	0.03	7.72	0.95
7.72	0.00	9.00	0.95
9.00	0.00	10.48	0.95

Size Low (um)	In %	Size High (um)	Under%
10.48	0.05	12.21	1.00
12.21	0.13	14.22	1.13
14.22	0.21	16.57	1.34
16.57	0.28	19.31	1.62
19.31	0.33	22.49	1.95
22.49	0.33	26.20	2.27
26.20	0.23	30.53	2.51
30.53	0.00	35.56	2.51
35.56	0.00	41.43	2.51
41.43	0.00	48.27	2.51
48.27	0.00	56.23	2.51
56.23	0.00	65.51	2.51
65.51	0.44	76.32	2.95
76.32	1.70	88.91	4.66
88.91	3.68	103.58	8.34
103.58	6.75	120.67	15.09
120.67	11.16	140.58	26.24
140.58	15.93	163.77	42.17
163.77	18.52	190.80	60.69
190.80	17.63	222.28	78.33
222.28	13.87	258.95	92.20
258.95	7.80	301.68	100.00



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Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323444
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW411 S32

Run Number: 21
Record Number: 54

Measured: 26 Sep 2013 15:55PM
Analysed: 26 Sep 2013 15:55PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 5.4 %
Residual: 2.823 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 209.30 um

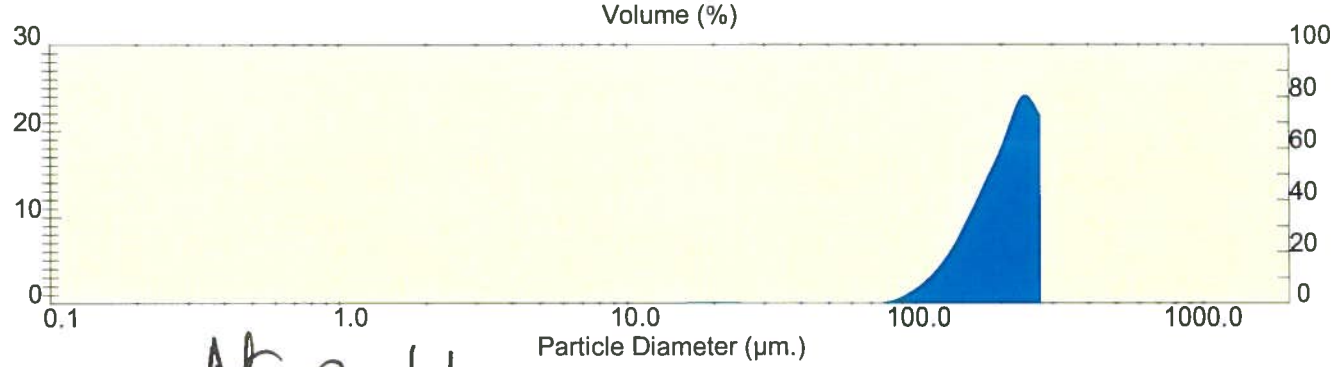
Concentration = 0.0875 %Vol
D (v, 0.1) = 136.48 um
D [3, 2] = 114.26 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 214.95 um
Span = 6.668E-01

Specific S.A. = 0.0525 sq. m / g
D (v, 0.9) = 279.82 um
Uniformity = 2.091E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.03	0.78	0.03
0.78	0.05	0.91	0.08
0.91	0.07	1.06	0.15
1.06	0.06	1.24	0.21
1.24	0.06	1.44	0.27
1.44	0.06	1.68	0.33
1.68	0.07	1.95	0.40
1.95	0.00	2.28	0.40
2.28	0.00	2.65	0.40
2.65	0.00	3.09	0.40
3.09	0.00	3.60	0.40
3.60	0.00	4.19	0.40
4.19	0.00	4.88	0.40
4.88	0.00	5.69	0.40
5.69	0.00	6.63	0.40
6.63	0.00	7.72	0.40
7.72	0.00	9.00	0.40
9.00	0.00	10.48	0.40

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.40
12.21	0.00	14.22	0.40
14.22	0.09	16.57	0.49
16.57	0.14	19.31	0.62
19.31	0.13	22.49	0.75
22.49	0.11	26.20	0.86
26.20	0.09	30.53	0.95
30.53	0.04	35.56	0.99
35.56	0.00	41.43	0.99
41.43	0.00	48.27	0.99
48.27	0.00	56.23	0.99
56.23	0.00	65.51	0.99
65.51	0.00	76.32	0.99
76.32	0.28	88.91	1.27
88.91	1.30	103.58	2.58
103.58	3.03	120.67	5.61
120.67	5.77	140.58	11.38
140.58	9.73	163.77	21.11
163.77	14.34	190.80	35.45
190.80	19.32	222.28	54.76
222.28	24.12	258.95	78.89
258.95	21.11	301.68	100.00



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Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

Mastersizer Micro Ver. 2.19
Serial Number: 33031-18

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323445
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW412 S31

Run Number: 22
Record Number: 55

Measured: 26 Sep 2013 15:58PM
Analysed: 26 Sep 2013 15:59PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 9.1 %
Residual: 2.160 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 182.94 um

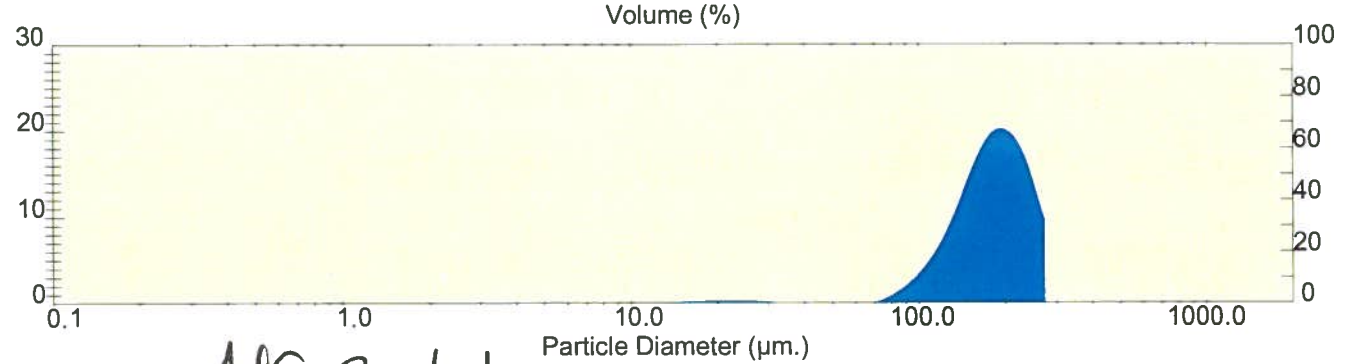
Concentration = 0.1242 %Vol
D (v, 0.1) = 116.79 um
D [3, 2] = 93.14 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 182.66 um
Span = 7.576E-01

Specific S.A. = 0.0644 sq. m / g
D (v, 0.9) = 255.16 um
Uniformity = 2.404E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.03	0.78	0.03
0.78	0.07	0.91	0.10
0.91	0.08	1.06	0.18
1.06	0.06	1.24	0.24
1.24	0.04	1.44	0.28
1.44	0.03	1.68	0.30
1.68	0.02	1.95	0.33
1.95	0.02	2.28	0.35
2.28	0.03	2.65	0.38
2.65	0.04	3.09	0.42
3.09	0.06	3.60	0.49
3.60	0.08	4.19	0.57
4.19	0.10	4.88	0.66
4.88	0.09	5.69	0.76
5.69	0.06	6.63	0.82
6.63	0.01	7.72	0.83
7.72	0.00	9.00	0.83
9.00	0.00	10.48	0.83

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.83
12.21	0.08	14.22	0.91
14.22	0.16	16.57	1.06
16.57	0.22	19.31	1.28
19.31	0.25	22.49	1.53
22.49	0.26	26.20	1.79
26.20	0.20	30.53	1.98
30.53	0.03	35.56	2.02
35.56	0.00	41.43	2.02
41.43	0.00	48.27	2.02
48.27	0.00	56.23	2.02
56.23	0.00	65.51	2.02
65.51	0.10	76.32	2.12
76.32	1.10	88.91	3.22
88.91	2.77	103.58	6.00
103.58	5.46	120.67	11.46
120.67	9.69	140.58	21.14
140.58	15.18	163.77	36.32
163.77	19.44	190.80	55.76
190.80	19.73	222.28	75.50
222.28	15.73	258.95	91.23
258.95	8.77	301.68	100.00



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Malvern Instruments Ltd.
Malvern, UK
Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323446
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW413 S14

Run Number: 23
Record Number: 56

Measured: 26 Sep 2013 16:03PM
Analysed: 26 Sep 2013 16:04PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 8.1 %
Residual: 1.985 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 190.65 um

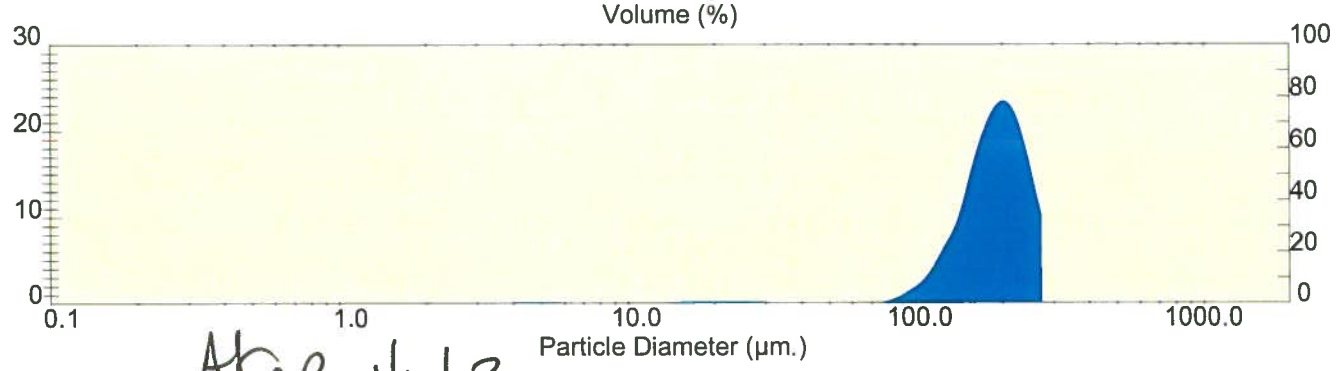
Concentration = 0.1454 %Vol
D (v, 0.1) = 128.67 um
D [3, 2] = 127.93 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 191.47 um
Span = 6.670E-01

Specific S.A. = 0.0469 sq. m / g
D (v, 0.9) = 256.39 um
Uniformity = 2.148E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.00	0.78	0.00
0.78	0.00	0.91	0.00
0.91	0.00	1.06	0.00
1.06	0.00	1.24	0.00
1.24	0.00	1.44	0.00
1.44	0.00	1.68	0.00
1.68	0.00	1.95	0.00
1.95	0.05	2.28	0.05
2.28	0.05	2.65	0.10
2.65	0.06	3.09	0.17
3.09	0.09	3.60	0.26
3.60	0.11	4.19	0.36
4.19	0.12	4.88	0.49
4.88	0.12	5.69	0.61
5.69	0.09	6.63	0.70
6.63	0.02	7.72	0.72
7.72	0.00	9.00	0.72
9.00	0.00	10.48	0.72

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.72
12.21	0.05	14.22	0.77
14.22	0.15	16.57	0.92
16.57	0.20	19.31	1.13
19.31	0.22	22.49	1.34
22.49	0.20	26.20	1.54
26.20	0.15	30.53	1.69
30.53	0.05	35.56	1.75
35.56	0.00	41.43	1.75
41.43	0.00	48.27	1.75
48.27	0.00	56.23	1.75
56.23	0.00	65.51	1.75
65.51	0.00	76.32	1.75
76.32	0.39	88.91	2.14
88.91	1.53	103.58	3.67
103.58	3.60	120.67	7.27
120.67	7.44	140.58	14.71
140.58	13.83	163.77	28.54
163.77	20.93	190.80	49.46
190.80	23.31	222.28	72.78
222.28	18.14	258.95	90.92
258.95	9.08	301.68	100.00



AJ Sep 1/10/13

MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: CL1323447
Sample File: 130812
Sample Path: C:\SIZERMU\DATA\
Sample Notes: S135499
STATOIL HYWIND
AW414 S01

Run Number: 24
Record Number: 57

Measured: 26 Sep 2013 16:06PM
Analysed: 26 Sep 2013 16:06PM
Result Source: Analysed

System Details

Sampler: Internal
Presentation: 4OHD
Analysis Model: Polydisperse
Modifications: None

[Particle R.I. = (1.5295, 0.1000); Dispersant R.I. = 1.3300]

Measured Beam Obscuration: 8.5 %
Residual: 2.520 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 211.06 um

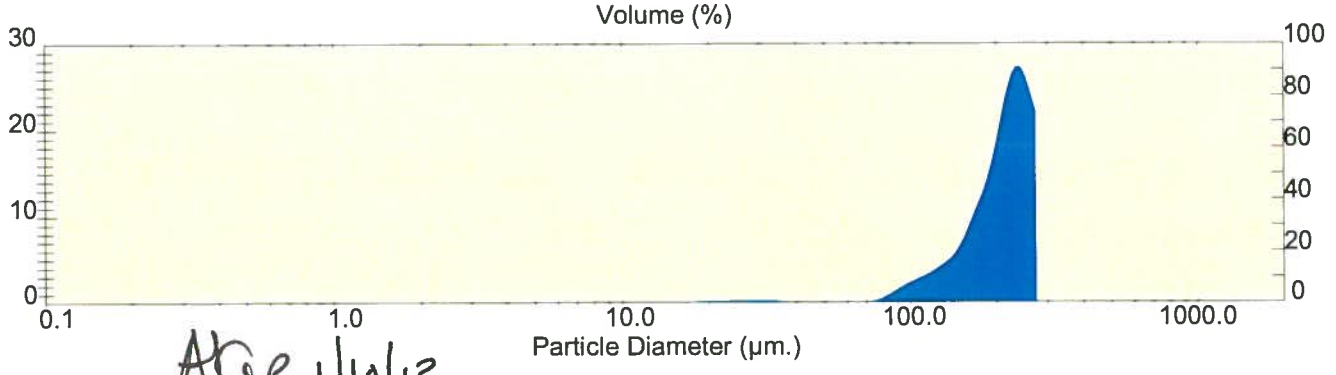
Concentration = 0.1395 %Vol
D (v, 0.1) = 133.25 um
D [3, 2] = 111.42 um

Density = 1.000 g / cub. cm
D (v, 0.5) = 220.01 um
Span = 6.631E-01

Specific S.A. = 0.0539 sq. m / g
D (v, 0.9) = 279.14 um
Uniformity = 2.040E-01

Size Low (um)	In %	Size High (um)	Under%
0.31	0.00	0.36	0.00
0.36	0.00	0.42	0.00
0.42	0.00	0.49	0.00
0.49	0.00	0.58	0.00
0.58	0.00	0.67	0.00
0.67	0.04	0.78	0.04
0.78	0.07	0.91	0.11
0.91	0.07	1.06	0.18
1.06	0.05	1.24	0.23
1.24	0.03	1.44	0.26
1.44	0.02	1.68	0.28
1.68	0.01	1.95	0.29
1.95	0.01	2.28	0.30
2.28	0.01	2.65	0.31
2.65	0.01	3.09	0.32
3.09	0.02	3.60	0.35
3.60	0.04	4.19	0.38
4.19	0.06	4.88	0.44
4.88	0.07	5.69	0.51
5.69	0.06	6.63	0.57
6.63	0.03	7.72	0.59
7.72	0.00	9.00	0.59
9.00	0.00	10.48	0.59

Size Low (um)	In %	Size High (um)	Under%
10.48	0.00	12.21	0.59
12.21	0.00	14.22	0.59
14.22	0.04	16.57	0.64
16.57	0.11	19.31	0.74
19.31	0.15	22.49	0.90
22.49	0.19	26.20	1.09
26.20	0.24	30.53	1.32
30.53	0.23	35.56	1.56
35.56	0.05	41.43	1.61
41.43	0.00	48.27	1.61
48.27	0.00	56.23	1.61
56.23	0.00	65.51	1.61
65.51	0.00	76.32	1.61
76.32	0.72	88.91	2.32
88.91	1.98	103.58	4.30
103.58	3.04	120.67	7.34
120.67	4.39	140.58	11.73
140.58	7.01	163.77	18.74
163.77	12.23	190.80	30.97
190.80	20.73	222.28	51.69
222.28	27.22	258.95	78.92
258.95	21.08	301.68	100.00



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Malvern Instruments Ltd.
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Tel:=+[44] (0)1684-892456 Fax:+[44] (0)1684-892789