

Aggregate Sample Analysis Report
Statistical Data

Mine ID: 75886

All Samples in Date Range (3/30/2021 to 3/30/2022)
Sample Type: At Source
Sample Level: QC

Terminal ID:

Product: B02

Process: 1

Total Samples for 1 yr: 20

Geological Type: Bank Run Shell

Gradation Analysis

	Samples Found	Mean	Std. Dev.	Min	Max	Est. of Compliance	Z-value	Lower Limit	Upper Limit	Target
3 1/2" - Total Percent Passing	20	100.0	0.00	100.0	100.0	-	-	-	-	-
No. 4 - Total Percent Passing	20	75.6	3.65	68.0	80.0	-	1.205	-	80.0	-

Minus 200 Analysis

	Samples Found	Mean	Std. Dev.	Min	Max	Est. of Compliance	Z-value	Lower Limit	Upper Limit	Target
Total Percent of Minus 200	20	9.95	1.16	8.15	12.49	OK	8.664	-	20.00	-

FSTM FM 5-515 LBR

	Samples Found	Mean	Std. Dev.	Min	Max	Est. of Compliance	Z-value	Lower Limit	Upper Limit	Target
Limerock Bearing Ratio	14	162	7.8	145	172	OK		100	-	-
Maximum Density	14	124.9	0.94	123.6	126.6					
Percent Moisture	14	10.0	0.76	8.7	11.0					
Percent Pass 3.5" Sieve	14	100.0	0.00	100.0	100.0	-	-	-	-	-
Percent Pass No. 4 Sieve	14	75.2	2.25	70.2	78.7					

FSTM 5-514 % CO3

	Samples Found	Mean	Std. Dev.	Min	Max	Est. of Compliance	Z-value	Lower Limit	Upper Limit	Target
Percent Carbonate	12	51.7	2.70	47.9	55.6	-		-	-	-

AASHTO T 89, T 90 Liquid and Plastic Limits

	Found (with Data)	Mean	Std. Dev.	Min	Max	Est. of Compliance	Z-value	Lower Limit	Upper Limit	Target
Liquid Limit	20	0	0.0	0	0	-		-	-	-
Plastic Limit	20	0	0.0	0	0	-		-	-	-
Plasticity Index	20	0	0.0	0	0	-		-	-	-

Est. of Compliance using Z-Value

Gradation By Sample

#	Sample Date	MAC Sample ID	FDOT Sample #	3 1/2"	No. 4
1	3/15/2022	2200921556	221102	100.0	74.0
2	3/15/2022	2200921488	221101	100.0	76.0
3	2/23/2022	2200913510	220801	100.0	79.0
4	2/16/2022	2200913466	220702	100.0	78.0
5	2/16/2022	2200913449	220701	100.0	77.0
6	2/11/2022	2200908282	220602	100.0	80.0
7	2/11/2022	2200908280	220601	100.0	77.0
8	1/24/2022	2200902462	220401	100.0	78.0
9	7/14/2021	2100827639	212806	100.0	71.0
10	7/14/2021	2100827636	212805	100.0	71.0
11	7/14/2021	2100827634	212804	100.0	70.0
12	7/14/2021	2100827915	212803	100.0	73.0
13	7/14/2021	2100827901	212802	100.0	68.0
14	7/14/2021	2100827896	212801	100.0	71.0
15	6/8/2021	2100816484	212306	100.0	79.0
16	6/8/2021	2100816467	212305	100.0	79.0
17	6/8/2021	2100816461	212304	100.0	78.0
18	6/8/2021	2100816246	212303	100.0	77.0
19	6/8/2021	2100816015	212302	100.0	79.0
20	6/8/2021	2100815997	212301	100.0	77.0

Minus 200 by Sample

#	Sample Date	MAC Sample ID	FDOT Sample #	Result
2	3/15/2022	2200921556	221102	8.94
1	3/15/2022	2200921488	221101	8.63
3	2/23/2022	2200913510	220801	9.02
5	2/16/2022	2200913466	220702	8.65
4	2/16/2022	2200913449	220701	9.88
7	2/11/2022	2200908282	220602	9.27
6	2/11/2022	2200908280	220601	8.15
8	1/24/2022	2200902462	220401	9.34
11	7/14/2021	2100827639	212806	12.49
10	7/14/2021	2100827636	212805	10.80
9	7/14/2021	2100827634	212804	10.38
14	7/14/2021	2100827915	212803	11.71
13	7/14/2021	2100827901	212802	11.34
12	7/14/2021	2100827896	212801	11.62
20	6/8/2021	2100816484	212306	9.42
19	6/8/2021	2100816467	212305	9.24
18	6/8/2021	2100816461	212304	9.76
17	6/8/2021	2100816246	212303	10.23
16	6/8/2021	2100816015	212302	10.10
15	6/8/2021	2100815997	212301	10.03

Start Weight by Sample

#	Sample Date	MAC Sample ID	FDOT Sample #	Result
2	3/15/2022	2200921556	221102	19,660.0
1	3/15/2022	2200921488	221101	24,000.0
3	2/23/2022	2200913510	220801	17,980.0
5	2/16/2022	2200913466	220702	19,000.0
4	2/16/2022	2200913449	220701	18,780.0
7	2/11/2022	2200908282	220602	18,360.0
6	2/11/2022	2200908280	220601	20,860.0
8	1/24/2022	2200902462	220401	13,360.0
11	7/14/2021	2100827639	212806	20,620.0
10	7/14/2021	2100827636	212805	22,660.0
9	7/14/2021	2100827634	212804	22,380.0
14	7/14/2021	2100827915	212803	21,460.0
13	7/14/2021	2100827901	212802	20,540.0
12	7/14/2021	2100827896	212801	22,440.0
20	6/8/2021	2100816484	212306	21,500.0
19	6/8/2021	2100816467	212305	23,340.0
18	6/8/2021	2100816461	212304	21,300.0
17	6/8/2021	2100816246	212303	20,400.0
16	6/8/2021	2100816015	212302	23,700.0
15	6/8/2021	2100815997	212301	22,500.0

Carbonates(CO3) by Sample

#	Sample Date	MAC Sample ID	FDOT Sample #	Result
3	7/14/2021	2100827639	212806	55.6
2	7/14/2021	2100827636	212805	53.1
1	7/14/2021	2100827634	212804	50.0
6	7/14/2021	2100827915	212803	55.4
5	7/14/2021	2100827901	212802	52.4
4	7/14/2021	2100827896	212801	51.0
12	6/8/2021	2100816484	212306	53.2
9	6/8/2021	2100816246	212303	51.3
8	6/8/2021	2100816015	212302	53.8
7	6/8/2021	2100815997	212301	47.9

FSTM FM 5-515 LBR by Sample

#	Sample Date	MAC Sample ID	FDOT Sample #	Limerock Bearing			Percent Pass 3.5"	
				Ratio	Maximum Density	Percent Moisture	Sieve	Sieve
2	3/15/2022	2200921556	221102	164	126.6	10.7	100.0	76.1
1	3/15/2022	2200921488	221101	167	125.2	10.4	100.0	76.6
3	2/23/2022	2200913510	220801	160	124.6	10.4	100.0	71.4
5	2/16/2022	2200913466	220702	164	123.8	10.4	100.0	78.7
4	2/16/2022	2200913449	220701	170	124.4	10.5	100.0	70.2
7	2/11/2022	2200908282	220602	162	124.1	9.9	100.0	77.1
6	2/11/2022	2200908280	220601	169	125.5	8.8	100.0	75.2
8	1/24/2022	2200902462	220401	172	124.7	9.1	100.0	75.3
11	7/14/2021	2100827915	212803	157	126.5	11.0	100.0	76.0
10	7/14/2021	2100827901	212802	145	124.2	11.0	100.0	75.5
9	7/14/2021	2100827896	212801	167	125.9	10.3	100.0	73.3
14	6/8/2021	2100816246	212303	154	124.6	8.7	100.0	74.5
13	6/8/2021	2100816015	212302	150	123.6	9.5	100.0	76.2
12	6/8/2021	2100815997	212301	160	124.7	9.9	100.0	76.5

AASHTO T 89, T 90 Liquid and Plastic Limits

#	Sample Date	MAC Sample ID	FDOT Sample #	Liquid Limit	Plastic Limit	Plasticity Index
2	3/15/2022	2200921556	221102	0	0	0
1	3/15/2022	2200921488	221101	0	0	0
3	2/23/2022	2200913510	220801	0	0	0
5	2/16/2022	2200913466	220702	0	0	0
4	2/16/2022	2200913449	220701	0	0	0
7	2/11/2022	2200908282	220602	0	0	0
6	2/11/2022	2200908280	220601	0	0	0
8	1/24/2022	2200902462	220401	0	0	0
11	7/14/2021	2100827639	212806	0	0	0
10	7/14/2021	2100827636	212805	0	0	0
9	7/14/2021	2100827634	212804	0	0	0
14	7/14/2021	2100827915	212803	0	0	0
13	7/14/2021	2100827901	212802	0	0	0
12	7/14/2021	2100827896	212801	0	0	0
20	6/8/2021	2100816484	212306	0	0	0
19	6/8/2021	2100816467	212305	0	0	0
18	6/8/2021	2100816461	212304	0	0	0
17	6/8/2021	2100816246	212303	0	0	0
16	6/8/2021	2100816015	212302	0	0	0
15	6/8/2021	2100815997	212301	0	0	0

Mine ID: 75886

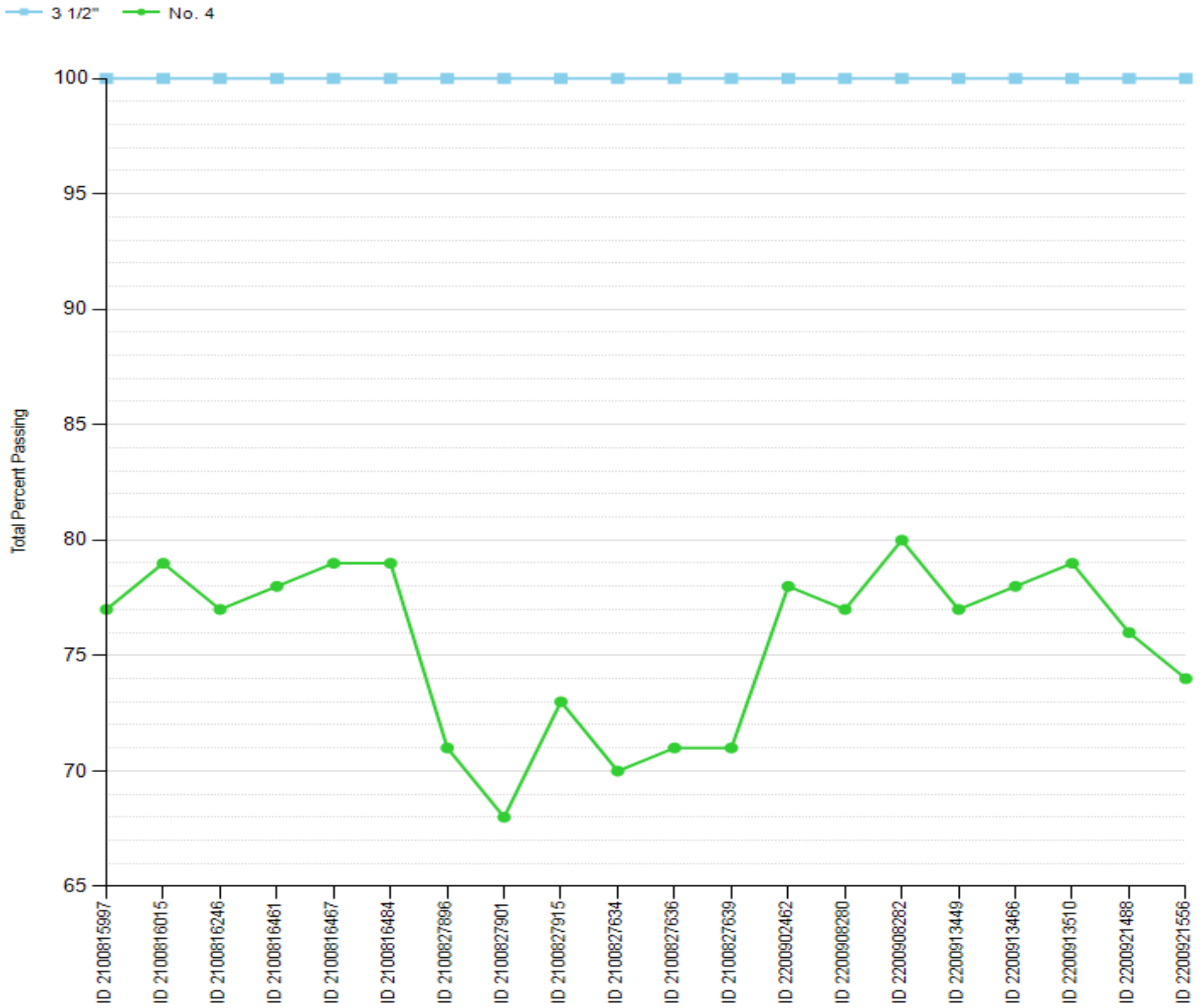
Terminal ID:

Product: B02

Process: 1

Sample Type: At Source

Gradation By Sample



Mine ID: 75886

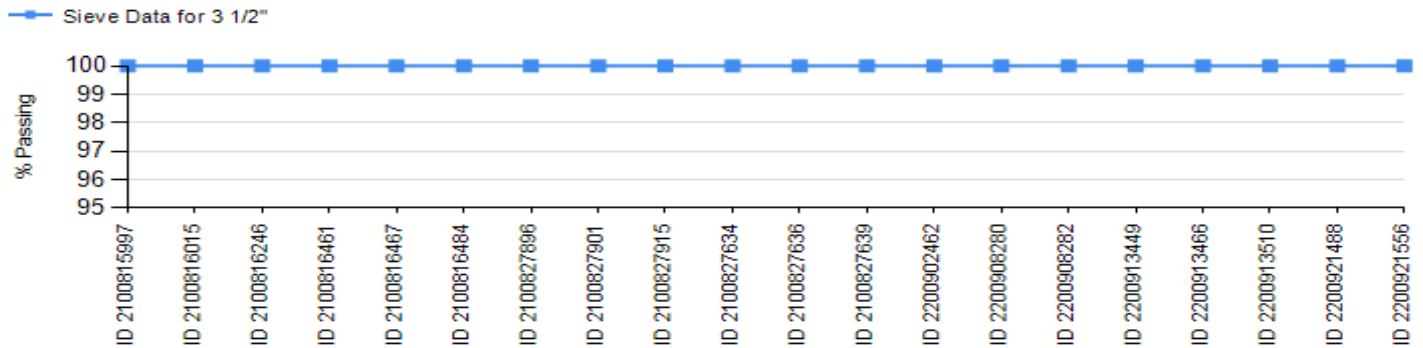
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Product: B02

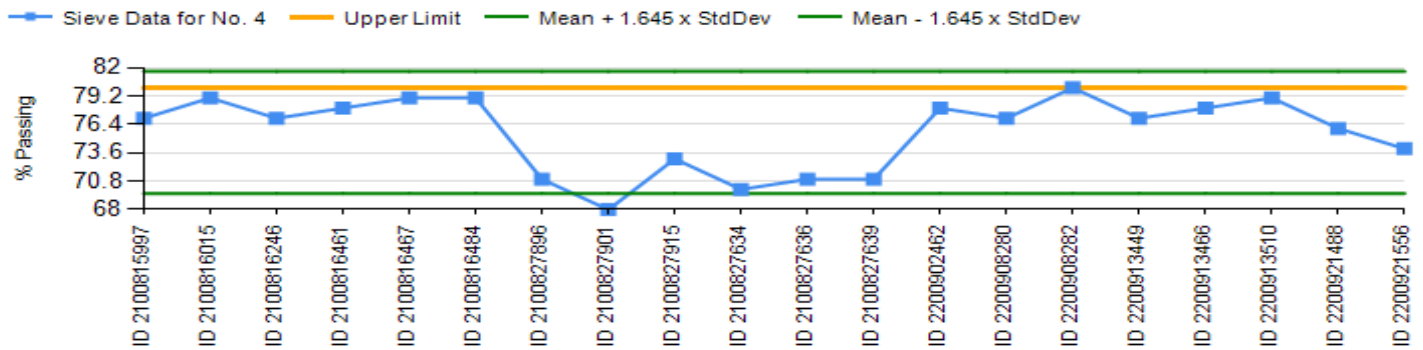
Process: 1

Sample Type: At Source

Gradation By Sample (3 1/2" Sieve)



Gradation By Sample (No. 4 Sieve)



LBR

