

Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 06/22/2022

Product: MOBIL 1 5W-30

Batch Number	70419316	Quantity / Package	QUART-3000
Order Key	70419402	Manufacture Date	06/18/2022
Export# / P.O.#		Destination	
Yardmark	10122F21A	Reference #	
CMCS Code/ Prod#	201510101040	T/C or T/T	

Test Description	Method	Test Result
ASTM Color	ASTM D1500	L5.0
Kinematic Viscosity @ 100 C, mm ² /s	ASTM D445	10.39
Calcium, mass%	ASTM D4951	0.074
Phosphorus, mass%	ASTM D4951	0.074
CCS Viscosity -30 C, mPa.s	ASTM D5293	4977
Pour Point, C	ASTM D5949	-39
API Gravity, DegAPI	ASTM D4052	33.8
Boron, mass%	ASTM D4951	0.009
Nitrogen Content, mass%	ASTM D5762	0.151
Foam, Sequence II, Tendency, ml	ASTM D892	10
Foam, Sequence II, Stability, ml	ASTM D892	0
Molybdenum, mass%	ASTM D4951	0.0106
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Water, by Crackle Test	AMS 449	NIL
Magnesium, mass%	ASTM D4951	0.075
Appearance	AMS 1738	C & B

This material meets the ExxonMobil Sales specification established for this product and has been produced in a facility complying with the requirements of the ISO 9001 certified Global Product Integrity Management System (GPIMS). Test results on this certificate represent the most recent inspections done on this product for the stated characteristics and may be based on tank certification, manufacturing data, periodic testing and / or most recent product restock.

Direct Inquiries to:

Lorynda Clopton, Laboratory Supervisor
Phone: 1-409-240-4388
Fax: 1-409-240-8479

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BMT4444060_CofA

Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701

Date: 08/20/2022

Product: MOBILITH SHC 460

Batch Number	70425086	Quantity / Package	PAIL-ST
Order Key	70425968	Manufacture Date	08/11/2022
Export# / P.O.#		Destination	
Yardmark	10122H17A	Reference #	
CMCS Code/ Prod#	2015A0204050	T/C or T/T	START

Test Description	Method	Test Result
Appearance	VISUAL	MATCHREF
Dropping Point, C	ASTM D2265	308
Penetration, 60X, 0.1 mm	ASTM D217	309
Roll Stability, 0.1 mm	ASTM D1831	17
Penetration, Unworked, 0.1 mm	ASTM D217	306
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	453

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BMT4468590_CofA

Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 08/13/2022

Product: MOBILITH SHC 100

Batch Number	70425087	Quantity / Package	PAIL-END
Order Key	70425354	Manufacture Date	08/09/2022
Export# / P.O.#		Destination	
Yardmark	10122H11A	Reference #	
CMCS Code/ Prod#	2015A0204030	T/C or T/T	

Test Description	Method	Test Result
Color	VISUAL	MATCH REFERENCE
Dropping Point, C	ASTM D2265	304
Churned Grease Oil-Release, mass%	AMS 1066	6.4
Moisture Content, wt%	ASTM D128	0.00
Penetration, 60X, 0.1 mm	ASTM D217	290
Penetration, Unworked, 0.1 mm	ASTM D217	278
Infrared Spectrum	AMS 1440	MATCH I
CGOR, Half-Scale Penetration, 0.1 mm	AMS 1066	150
Odor	AMS 1695	PASS
Penetration, 100 KX, 0.1 mm	ASTM D217	306
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	93

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Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 09/08/2022

Product: MOBILITH SHC 007

Batch Number	70426947	Quantity / Package	PAIL-ST
Order Key	70427960	Manufacture Date	09/06/2022
Export# / P.O.#		Destination	
Yardmark	10122J07A	Reference #	
CMCS Code/ Prod#	2015A0204010	T/C or T/T	

Test Description	Method	Test Result
Appearance	VISUAL	MATCHREF
Color	VISUAL	MATCH STD
Penetration, 60X, 0.1 mm	ASTM D217	401
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Number of Foreign Particles >=250 um, Number	AMS 1813	0
Number of Foreign Particles 100-<250 um, Number	AMS 1813	0
Number of Metallic Particles in Grease, Number	AMS 1813	0
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	448.8

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Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 10/14/2022

Product: MOBILITH SHC 100

Batch Number	70430877	Quantity / Package	PAIL-ST
Order Key	70431613	Manufacture Date	10/04/2022
Export# / P.O.#		Destination	
Yardmark	10122K09A	Reference #	
CMCS Code/ Prod#	2015A0204030	T/C or T/T	START #1

Test Description	Method	Test Result
Color	VISUAL	MATCH REFERENCE
Dropping Point, C	ASTM D2265	308
Churned Grease Oil-Release, mass%	AMS 1066	6.2
Moisture Content, wt%	ASTM D128	0.00
Penetration, 60X, 0.1 mm	ASTM D217	294
Penetration, Unworked, 0.1 mm	ASTM D217	291
Infrared Spectrum	AMS 1440	MATCH I
CGOR, Half-Scale Penetration, 0.1 mm	AMS 1066	145
Odor	AMS 1695	PASS
Penetration, 100 KX, 0.1 mm	ASTM D217	315
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	108

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Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 10/07/2022

Product: MOBILITH SHC 220

Batch Number	70429993	Quantity / Package	PAIL-ST
Order Key	70430779	Manufacture Date	09/28/2022
Export# / P.O.#		Destination	
Yardmark	10122K04A	Reference #	
CMCS Code/ Prod#	2015A0204040	T/C or T/T	START

Test Description	Method	Test Result
Appearance	VISUAL	MATCHREF
Dropping Point, C	ASTM D2265	308
Penetration, 60X, 0.1 mm	ASTM D217	295
Roll Stability, 0.1 mm	ASTM D1831	17
Penetration, Unworked, 0.1 mm	ASTM D217	295
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	216

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This is a comment

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BMT4488041_CofA

Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 10/14/2022

Product: MOBILITH SHC 100

Batch Number	70430877	Quantity / Package	PAIL-ST
Order Key	70431613	Manufacture Date	10/04/2022
Export# / P.O.#		Destination	
Yardmark	10122K09A	Reference #	
CMCS Code/ Prod#	2015A0204030	T/C or T/T	START #1

Test Description	Method	Test Result
Color	VISUAL	MATCH REFERENCE
Dropping Point, C	ASTM D2265	308
Churned Grease Oil-Release, mass%	AMS 1066	6.2
Moisture Content, wt%	ASTM D128	0.00
Penetration, 60X, 0.1 mm	ASTM D217	294
Penetration, Unworked, 0.1 mm	ASTM D217	291
Infrared Spectrum	AMS 1440	MATCH I
CGOR, Half-Scale Penetration, 0.1 mm	AMS 1066	145
Odor	AMS 1695	PASS
Penetration, 100 KX, 0.1 mm	ASTM D217	315
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	108

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Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701

Date: 10/15/2022

Product: MOBIL SHC 634

Batch Number	70430896	Quantity / Package	DRUM-END
Order Key	70431170	Manufacture Date	10/12/2022
Export# / P.O.#		Destination	
Yardmark	10122K14A	Reference #	
CMCS Code/ Prod#	201560500570	T/C or T/T	

Test Description	Method	Test Result
ASTM Color	ASTM D1500	L3.5
Viscosity Index	ASTM D2270	185
Calcium, mg/kg	ASTM D5185	0
Magnesium, mg/kg	ASTM D5185	0
Silicon, mg/kg	ASTM D5185	24
Zinc, mg/kg	ASTM D5185	0
Nitrogen, ppm	ASTM D5762	438
Emulsion, Time to 37 mL Water, 82 C, min	ASTM D1401	20
API Gravity, DegAPI	ASTM D4052	33.1
Kinematic Viscosity @ 40 C, mm ² /s	ASTM D445	465
Foam, Sequence II, Tendency, ml	ASTM D892	0
Foam, Sequence II, Stability, ml	ASTM D892	0
Pour Point, C	ASTM D5950	-45
Infrared Spectrum	AMS 1440	MATCH
Total Acid Number, mgKOH/g	ASTM D664	0.73
Odor	AMS 1695	PASS
Water, by Crackle Test	AMS 449	NIL
Phosphorus, mg/kg	ASTM D5185	494
Appearance	AMS 1738	ORANGE, CLEAR & BRIG

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BMT4491380_CofA

Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 10/17/2022

Product: MOBIL SHC 626

Batch Number	70430901	Quantity / Package	DRUM-ST
Order Key	70432472	Manufacture Date	10/11/2022
Export# / P.O.#		Destination	
Yardmark	10122K15A	Reference #	
CMCS Code/ Prod#	201560500530	T/C or T/T	

Test Description	Method	Test Result
ASTM Color	ASTM D1500	L3.5
Viscosity Index	ASTM D2270	169
Calcium, mg/kg	ASTM D5185	0
Magnesium, mg/kg	ASTM D5185	0
Silicon, mg/kg	ASTM D5185	2
Zinc, mg/kg	ASTM D5185	0
Nitrogen, ppm	ASTM D5762	526
Emulsion, Time to 37 mL Water, 54 C, min	ASTM D1401	10
API Gravity, DegAPI	ASTM D4052	35.1
Kinematic Viscosity @ 40 C, mm ² /s	ASTM D445	67.8
Foam, Sequence II, Tendency, ml	ASTM D892	10
Foam, Sequence II, Stability, ml	ASTM D892	0
Pour Point, C	ASTM D5950	-54
Infrared Spectrum	AMS 1440	MATCH
Total Acid Number, mgKOH/g	ASTM D664	0.71
Odor	AMS 1695	PASS
Water, by Crackle Test	AMS 449	NIL
Phosphorus, mg/kg	ASTM D5185	478
Appearance	AMS 1738	ORANGE, CLEAR & BRIG

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Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 10/31/2022

Product: MOBIL SHC 639

Batch Number	70431389	Quantity / Package	DRUM-ST
Order Key	70431529	Manufacture Date	10/25/2022
Export# / P.O.#		Destination	
Yardmark	10122K30A	Reference #	
CMCS Code/ Prod#	201560500590	T/C or T/T	

Test Description	Method	Test Result
ASTM Color	ASTM D1500	L3.5
Viscosity Index	ASTM D2270	198
Calcium, mg/kg	ASTM D5185	0
Magnesium, mg/kg	ASTM D5185	0
Silicon, mg/kg	ASTM D5185	22
Zinc, mg/kg	ASTM D5185	0
Nitrogen, ppm	ASTM D5762	407
Emulsion, Time to 37 mL Water, 82 C, min	ASTM D1401	30
API Gravity, DegAPI	ASTM D4052	33.6
Kinematic Viscosity @ 40 C, mm ² /s	ASTM D445	980
Foam, Sequence II, Tendency, ml	ASTM D892	0
Foam, Sequence II, Stability, ml	ASTM D892	0
Pour Point, C	ASTM D5950	-42
Infrared Spectrum	AMS 1440	MATCH
Total Acid Number, mgKOH/g	ASTM D664	0.66
Odor	AMS 1695	PASS
Phosphorus, mg/kg	ASTM D5185	418
Appearance	AMS 1738	ORANGE, CLEAR & BRIG

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Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 12/02/2022

Product: MOBIL SHC 636

Batch Number	70432508	Quantity / Package	DRUM-END
Order Key	70432737	Manufacture Date	11/26/2022
Export# / P.O.#		Destination	
Yardmark	10122L30A	Reference #	
CMCS Code/ Prod#	201560500580	T/C or T/T	

Test Description	Method	Test Result
ASTM Color	ASTM D1500	L4.0
Viscosity Index	ASTM D2270	195
Calcium, mg/kg	ASTM D5185	0
Magnesium, mg/kg	ASTM D5185	0
Silicon, mg/kg	ASTM D5185	23
Zinc, mg/kg	ASTM D5185	1
Nitrogen, ppm	ASTM D5762	489
Emulsion, Time to 37 mL Water, 82 C, min	ASTM D1401	25
API Gravity, DegAPI	ASTM D4052	33.8
Kinematic Viscosity @ 40 C, mm ² /s	ASTM D445	671
Foam, Sequence II, Tendency, ml	ASTM D892	20
Foam, Sequence II, Stability, ml	ASTM D892	0
Pour Point, C	ASTM D5950	-42
Infrared Spectrum	AMS 1440	MATCH
Total Acid Number, mgKOH/g	ASTM D664	0.75
Odor	AMS 1695	PASS
Water, by Crackle Test	AMS 449	NIL
Phosphorus, mg/kg	ASTM D5185	511
Appearance	AMS 1738	ORANGE, CLEAR & BRIG

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Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701

Date: 11/12/2022

Product: MOBIL 1 5W-30

Batch Number	70432608	Quantity / Package	QUART-ST
Order Key	70433730	Manufacture Date	10/26/2022
Export# / P.O.#		Destination	
Yardmark	10122L11A	Reference #	
CMCS Code/ Prod#	201510101040	T/C or T/T	

Test Description	Method	Test Result
ASTM Color	ASTM D1500	L4.5
Kinematic Viscosity @ 100 C, mm ² /s	ASTM D445	10.49
Calcium, mass%	ASTM D4951	0.078
Phosphorus, mass%	ASTM D4951	0.079
CCS Viscosity -30 C, mPa.s	ASTM D5293	5026
Pour Point, C	ASTM D5949	-45
API Gravity, DegAPI	ASTM D4052	34.5
Boron, mass%	ASTM D4951	0.009
Nitrogen Content, mass%	ASTM D5762	0.135
Foam, Sequence II, Tendency, ml	ASTM D892	10
Foam, Sequence II, Stability, ml	ASTM D892	0
Molybdenum, mass%	ASTM D4951	0.011
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Water, by Crackle Test	AMS 449	NIL
Magnesium, mass%	ASTM D4951	0.073

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BMT4502452_CofA

Certificate of Analysis



Beaumont Lube Blending Plant
2805 Sycamore St. Beaumont, Texas 77701
Date: 11/12/2022

Product: MOBILITH SHC 007

Batch Number	70433848	Quantity / Package	PAIL-ST
Order Key	70434890	Manufacture Date	11/07/2022
Export# / P.O.#		Destination	
Yardmark	10122L09A	Reference #	
CMCS Code/ Prod#	2015A0204010	T/C or T/T	START

Test Description	Method	Test Result
Appearance	VISUAL	MATCHREF
Color	VISUAL	MATCH STD
Penetration, 60X, 0.1 mm	ASTM D217	430
Infrared Spectrum	AMS 1440	MATCH
Odor	AMS 1695	PASS
Number of Foreign Particles \geq 250 μ m, Number	AMS 1813	0
Number of Foreign Particles 100-<250 μ m, Number	AMS 1813	0
Number of Metallic Particles in Grease, Number	AMS 1813	0
Base Oil Viscosity of Grease @ 40 C, mm ² /s	AM-S 1858	457.4

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BMT4502466_CofA (BMT4500893_CofA obsolete)