



MOTIVA

BASE OILS

Global Base Oil Supply and Quality You Can Rely On

Under a unified global brand family

aramco**DURA**®

aramco**PRIMA**®

aramco**ULTRA**®

Your Premium Base Oils Manufacturer

Our base oils cater to a wide range of customers and needs and can be used in the manufacturing of automotive, industrial, and functional lubricants that meet even the highest performance specifications.

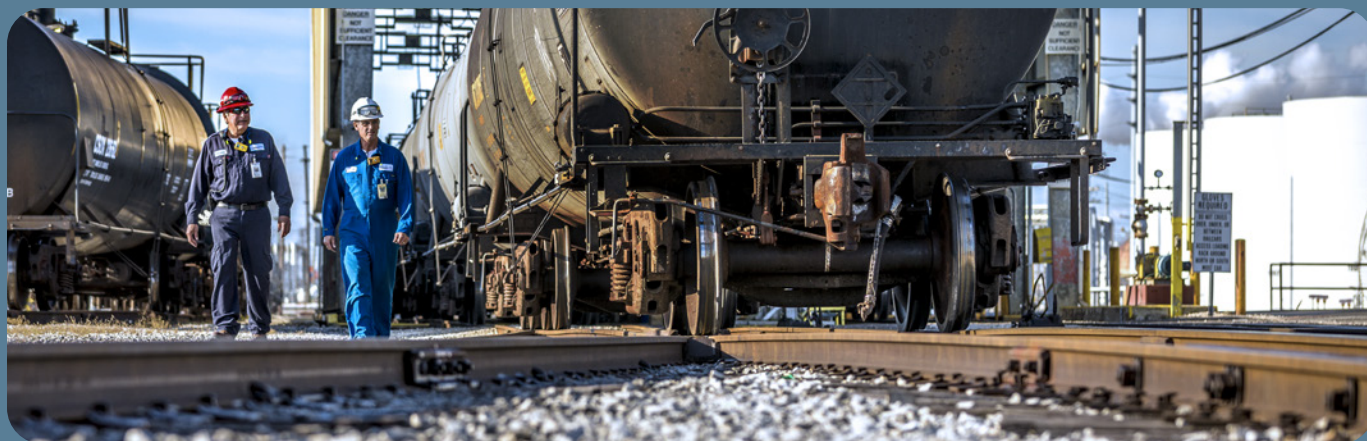
Motiva's base oils are hydrotreated, Isomdewaxed, and hydrofinished to produce high VI, water-white paraffinic lube oils. The very low sulfur content of our base oils makes them an ideal blend stock for modern low sulfated ash, phosphorous, and sulfur (Low SAPS) engine oil formulations.



Largest Base Oil Plant in the Western Hemisphere

Motiva's Port Arthur Manufacturing Complex is the site of the largest base oil plant in the Western Hemisphere, operating three lube hydroprocessing units that use Motiva-patented unit designs to upgrade heavy gas oils into high-quality premium base oils.

Motiva produces aramcoPRIMA and aramcoULTRA, high-performance, premium Group II and Group III base oils, in addition to aramcoPRIMA 60 — tailored for light viscosity applications. With a world-class sales and supply logistics team, Motiva consistently fulfills Group II and Group III needs in the Americas and around the world.



Aramco Base Oils Family

Teaming up with our Aramco base oil affiliates we stand as leading providers of premium Group I, Group II, and Group III base oils.

Under a unified global brand family, Aramco Base Oils, we deliver a broad range of base oil products under the aramcoDURA, aramcoPRIMA, and aramcoULTRA brands. Together, we deliver steadfast quality and dependable supply from strategically positioned refineries across the globe.

			
Geography*:	USA	KSA	South Korea
aramcoPRIMA®	aramcoPRIMA 60 aramcoPRIMA 100 aramcoPRIMA 220 aramcoPRIMA 600	aramcoPRIMA 110	
aramcoULTRA®	aramcoULTRA 4 aramcoULTRA 6		aramcoULTRA 2 aramcoULTRA 3 aramcoULTRA 4 aramcoULTRA 8
aramcoDURA®		aramcoDURA BS150	

*Aramco Base Oil products available in the Americas.

Your Partner in Base Oils Excellence

- Commercial members have unsurpassed base oils and finished lubricants knowledge
- Expert technical team provides personalized support to meet customers' needs
- Industry-leading proprietary tools to help manage customers' business



SPECIFICATIONS & TYPICAL PROPERTIES

aramcoDURA MANUFACTURED IN THE KSA

group I
aramcoDURA®

Sales Code				
Parameter	Method	Min	Max	Typical
Viscosity, Kinematic				
cSt @ 100°C	D445	30.00	33.00	32.12
cSt @ 40°C	D445	–	–	495.4
Viscosity Index	D2270	95	–	96
Pour Point, °C	D97	–	-6	-9
Flash Point, COC, °C	D92	290	–	300
Color, ASTM	D1500	–	4	L3.5
Appearance	Visual	Clear & Bright	–	Clear & Bright

Effective 10/01/2025

SPECIFICATIONS & TYPICAL PROPERTIES

aramcoULTRA PRODUCTS MANUFACTURED IN SOUTH KOREA

aramcoULTRA®

		aramcoULTRA 2		aramcoULTRA 3		aramcoULTRA 4		aramcoULTRA 8	
SOURCE		ULSAN		ULSAN		ULSAN		ULSAN	
Sales Code		500009361		500009362		500009360		500009363	
Parameter	Method								
		Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical
Viscosity, Kinematic									
cSt @ 100°C	D445	1.9 - 2.4	2.25	3.0 - 3.5	3.39	4.0 - 4.5	4.27	7.0 - 7.5	7.10
cSt @ 40°C	D445	Report	7.62	Report	14.0	Report	19.7	Report	41.1
Viscosity Index									
Viscosity Index	D2270	100 min	103	100 min	115	120 min	124	120 min	134
Volatility									
NOACK, wt%	D5800 (B)	-	-	-	-	15.5 max	14.7	-	-
Dynamic Viscosity									
CCS @ -30°C, cP	D5293	-	-	-	-	1600 max	1500	-	-
Appearance									
Appearance	Visual	Clear & Bright		Clear & Bright		Clear & Bright		Clear & Bright	
Color, ASTM	D1500					L 0.5	L 0.5	L 0.5	L 0.5
Color, Saybolt	D156	25 min	+30	25 min	+30				
Pour Point, °C	D5950	-25 max	-36	-20 max	-27	-15 max	-20	-10 max	-14
Flash Point, COC, °C	D92	150 min	158	180 min	202	210 min	220	240 min	250
API Gravity, °API	D4052	-	39.0	-	38.5	-	38.0	-	36.5
Specific Gravity, 60/60°F	D4052	-	0.8300	-	0.8323	-	0.8350	-	0.8425

Note - for SI units
 1 mm²/s = 1 cSt
 1 mPa•s = 1 cP

Effective 01/02/2025

SPECIFICATIONS & TYPICAL PROPERTIES

aramco BASE OILS MANUFACTURED IN THE USA

aramco**PRIMA**[®]

aramco**ULTRA**[®]

		aramcoPRIMA 60		aramcoPRIMA 100		aramcoPRIMA 220		aramcoPRIMA 600		aramcoULTRA 4		aramcoULTRA 6	
Sales Code		500009293		500009291		500009290		500009292		500009294		500009295	
Parameter	Method	Code 7249		Code 7239		Code 7234		Code 7242		Code 7248		Code 7250	
		Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical	Spec	Typical
API Base Stock Group (API 1509 E.1.3)				Group II		Group II		Group II		Group III		Group III	
Viscosity, Kinematic													
cSt @ 100°C	D445		2.61	3.8 min	4.37	6.1 min	6.49	11.7 min	12.0	4.0 - 4.5	4.41	5.8 - 6.2	5.89
cSt @ 40°C	D445	9.0 - 11.0	10.63	18.0 - 22.0	21.4	40.0 - 46.0	42.3	107 - 120	109	Report	20.5	Report	32.4
SUS @ 100°F	Calculated		64		112		218		569		107		166
Viscosity Index				95 - 119		95 min		95 min		120 min		120 min	
Sulfur, ppm	D2622	300 max	< 10	300 max	< 20	300 max	< 10	300 max	< 25	Report	< 10	Report	< 10
Aromatics, wt %	Motiva	2.0 max	1.0	2.0 max	< 1	2.0 max	1.5	7.0 max	6.0	Report	< 1.0	Report	< 1.0
Volatility													
NOACK, wt%	D5800 (B)			19.0 max	18.1	13.0 max	10.4		2.4	15.5 max	14.4	8.5 max	7.4
GC, Sim Dist at 700°F, %	D6417			10.0 max	5.1	7.0 max	4.25		0.4				
Dynamic Viscosity													
CCS @ -30°C ⁽¹⁾ , cP	D5293									1,600 max	1,534	Report	4,084
CCS @ -25°C, cP	D5293			1,550 max	1,211								
CCS @ -20°C, cP	D5293					3,900 max	3,087						
Brookfield ⁽²⁾ @ -40°C, cP	Motiva				16,010								
Appearance		Clear & Bright		Clear & Bright		Clear & Bright		Clear & Bright		Clear & Bright		Clear & Bright	
Color, ASTM	D1500			1.0 max	L0.5	1.0 max	L0.5	1.0 max	L0.5	L0.5	L0.5	L0.5	L0.5
Color, Saybolt	D156	Report	+30										
Pour Point, °C	D5950	-33 max	-35	-12 max	-16	-12 max	-15	-12 max	-21	-15 max	-20	-15 max	-21
Flash Point, COC, °C	D92	170 min	172	199 min	217	216 min	226	250 min	263	210 min	220	220 min	237
API Gravity, °API	D4052	Report	32.1	Report	35.5	Report	32.3	Report	30.4	Report	37.6	Report	36.2
Specific Gravity, 60/60°F	D4052		0.8650		0.8471		0.8640		0.8740		0.8367		0.8438

⁽¹⁾CCS @ -30°C targeted to max limits: aramcoULTRA 6 4,800 cP

⁽²⁾Product tested with 0.25wt% PPD. Brookfield targeted to limit of 19,000 cP for aramcoPRIMA 100

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1 mPa•s = 1 cP

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