

MYSTIK® JT-8® SYNTHETIC BLEND
SUPER HEAVY DUTY ENGINE OILS



Date 10/06

For API Service CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF/SL*

DESCRIPTION:

Mystik JT-8 Super Heavy Duty Engine Oils are value-added synthetic blend lubricants with a carefully balanced premium additive system and premium base stocks that give outstanding deposit control, minimize sludge and varnish, and control wear under the most severe service conditions. Formulated to provide the superior soot-handling and wear protection demanded by modern heavy duty diesel engines, they will help maintain long-term low emission performance. Mystik JT-8 Super Heavy Duty Engine Oils are available in multi-viscosity grades that offer superior high temperature protection along with easier starting and rapid oil flow in cold weather. The modern shear stable polymer produces SAE 10W-30, 15W-40, and 15W-50 engine oils that stand up to prolonged use. Utilizing oil analysis, in conjunction with OEM guidelines, it is possible to achieve extended drain intervals using Mystik JT-8 Super Heavy Duty Engine Oils. These products exceed the performance levels outlined in the Performance and Applications Table below. Mystik JT-8 Super Heavy Duty Engine Oils are recommended for commercial over-the-road fleets, construction equipment, buses, automobiles, and other similar diesel-powered applications where a premium quality engine oil is required. These products are also applicable for LPG and CNG conversion engines.

*In appropriate viscosity grades

API Service Category performance and applications detailed by SAE Viscosity Grade:

SAE VISCOSITY GRADE		15W-40	15W-50	10W-30	10W40	10W	30	40	50
API SERVICE CLASSIFICATION CATEGORIES	CI-4 PLUS	X	X						
	CI-4	X	X	X					
	CH-4	X	X	X					
	CG-4	X	X	X					
	CF-4	X	X	X					
	CF	X	X	X	X	X	X	X	X
	SL, SJ, SH	X	X	X	X		X	X	X
ACEA E5-02		X	X						
Allison C-4		X				X	X		
Caterpillar		X	X	X			X	X	X
Cummins CES 20078		X	X	X					
Cummins CES 20076, 20071		X	X	X					
Daimler Chrysler 228.3		X	X						
Daimler Chrysler 228.2							X	X	
Detroit Diesel 93K214; 93K215		X							
Deutz		X							
Ford M2C171		X	X	X					
General Motors 6094M, 6.2L,6.5L				X					
Global DHD-1		X	X						
JASO DH-1		X	X	X			X	X	X
Mack EO-N Premium Plus (03)		X	X						
Mack EO-N Premium Plus		X	X						
EO-M Plus		X	X	X					
MAN 3275		X							
MAN 270							X	X	
MTU Type 2		X					X	X	
Navistar - International		X	X	X					
Volvo VDS-3		X							

Note: Consult your Operator's Manual for proper SAE viscosity grade and API Service Category

TYPICAL PROPERTIES:

MYSTIK® JT-8® SUPER HEAVY DUTY ENGINE OILS

Material Code	663003002	663004002	663001002	663002002	663000002	663006002	663007002	663008002
SAE Grade	15W-40	15W-50	10W-30	10W-40	10W	30	40	50
Gravity, ASTM D 4052 °API at 60°F	29.2	29.4	30.7	31.1	30.7	28.5	27.7	26.8
Pounds/Gallon at 60°F	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.5
Specific Gravity at 60°F	0.881	0.879	0.873	0.870	0.873	0.885	0.889	0.894
Viscosity at 100°C, cSt	15.5	19.0	11.8	15.0	7.0	12.0	15.7	20.5
Viscosity at 40°C, cSt	118	147	77	102	40.3	98	146	220
Viscosity Index	139	147	148	155	135	113	111	109
CCS Viscosity, cP, at Temperature	6400 -20°C	6250 -20°C	6000 -25°C	6000 -25°C	4000 -25°C	NR	NR	NR
MRV Viscosity, cP, at Temperature	20,900 -25°C	22,050 -25°C	20,100 -30°C	19,900 -30°C	12,200 -30°C	NR	NR	NR
MRV Yield Stress, Pa, at Temperature	<35 -25°C	<35 -25°C	<35 -30°C	<35 -30°C	<35 -30°C	NR	NR	NR
Pour Point, °F (°C)	-17 (-27)	-17 (-27)	-27 (-33)	-27 (-33)	-33 (-36)	-17 (-27)	-11 (-24)	+10 (-12)
Flash Point, COC, °F (°C)	457 (236)	435 (224)	442 (228)	442 (228)	428 (220)	478 (248)	475 (246)	496 (258)
Noack Evaporative, ASTM D 5800, % Loss	12	12	14	14	NR	NR	NR	NR
Color, ASTM D 1500	4.0	4.5	3.5	3.5	3.0	4.0	5.0	6.0
Total Base Number, ASTM D 2896	11	11	11	11	11	11	11	11
Sulfated Ash, ASTM D 874, % wt	1.1	1.1	1.4	1.4	1.3	1.3	1.3	1.3

NR = No Requirement