

MYSTIK® JT-8® SUPER HEAVY DUTY ENGINE OILS



Date 10/04

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

DESCRIPTION:

Mystik® JT-8® Super Heavy Duty Engine Oils are value-added lubricants with a carefully balanced premium additive system 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, under 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 gasoline- or 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+	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						
Cummins CES 20076, 20071		X	X	X					
Daimler Chrysler 228.3		X	X						
Daimler Chrysler 228.2							X	X	
Detroit Diesel 4-stroke cycle		X	X						
Deutz		X							
Ford M2C171				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 Mack		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
 *15W-40 meets the performance requirements of Caterpillar ECF-1

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 at 60°F	28.4	28.1	28.8	28.9	28.6	26.8	26.2	25.7
Pounds/Gallon at 60°F	7.4	7.4	7.3	7.3	7.4	7.4	7.5	7.5
Specific Gravity at 60°F	0.885	0.887	0.882	0.881	0.884	0.894	0.897	0.900
Viscosity at 100°C, cSt	15.5	20.0	11.9	15.5	7.0	11.95	15.6	20.5
Viscosity at 40°C, cSt	123	168	81	99	43.6	105.	157	237
Viscosity Index	136	138	143	153	119	103	101	101
CCS Viscosity, cP, at Temperature	6550 -20°C	6600 -20°C	6500 -25°C	6500 -25°C	5600 -25°C	NR	NR	NR
MRV Viscosity, cP, at Temperature	23,500 -25°C	24,000 -25°C	19,000` -30°C	19,900 -30°C	20,200 -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)	-27 (-33)	-11 (-24)	-6 (-21)	+5 (-15)
Flash Point, COC, °F (°C)	435 (224)	430 (221)	406 (208)	410 (210)	439 (226)	489 (254)	471 (244)	485 (252)
Noack Evaporative, ASTM D 5800, % Loss	12	12	14	15	NR	NR	NR	NR
Color, ASTM D 1500	7.5	7.5	3.5	3.5	7.5	7.5	8	8
Total Base Number, ASTM D 2896	12	12	11	11	12	12	12	12
Sulfated Ash, ASTM D 874, % wt	1.5	1.5	1.3	1.3	1.6	1.6	1.6	1.6

NR = No Requirement