

Mystik® JT-8® Synthetic Blend Super Heavy Duty Engine Oils

OVERVIEW



- Performance engineered with proprietary additive technology to meet the performance demands of newer engine hardware.
- Designed to ensure long-lasting engine durability under the toughest operating conditions.
- For commercial over-the-road fleets, agriculture, construction equipment, buses, automobiles, and other similar diesel-powered applications where a premium quality engine oil is required.

FEATURES & BENEFITS



- Engineered to provide long engine life in challenging service conditions.
- Double the oil durability protection compared to conventional CJ-4 engine oils (always follow OEM recommendations when extending oil drain intervals).
- Maintains viscosity over extended service intervals, even under extreme operating conditions.
- Recommended for low emission Tier 4 and on-highway low emission engines.
- SAE 10W-30 improves fuel economy up to 3% compared to conventional 15W-40 viscosity grade oils.

APPLICATIONS



SAE VISCOSITY GRADE	10W-30	15W-40	
RECOMMENDED FOR:	CK-4	✓	✓
	CJ-4	✓	✓
	CI-4 PLUS	✓	✓
	CI-4	✓	✓
	CH-4	✓	✓
	SN	—	✓
Caterpillar ECF-3	✓	✓	
Cummins CES 20086	✓	✓	
Detroit Diesel 93K222	✓	✓	
Volvo/Mack/Renault/VDS-4.5/EOS-4.5/RLD-4	✓	✓	
Paccar	✓	✓	
Navistar - International	✓	✓	
Ford WSS-M2C171-F1	✓	✓	

Notes:

- Consult owner's manual for proper SAE viscosity grade and API Service Category.
- Optimum drain intervals can be achieved utilizing oil analysis in conjunction with OEM guidelines.

PROPERTIES



API Comparison Chart

Category	Mystik JT-8 API CJ-4	Mystik JT-8 API CK-4
Back serviceable	Yes	Yes
Viscosity grades	15W-40/10W-30	15W-40/10W-30
Fleet million mile engine test rating	Better	Best
100% improved oxidation stability	No	Yes
Greater shear stability vs. conventional API CJ-4	Yes	Yes
Aeration control vs. conventional API CJ-4	Better	Best
SAE 10W-30 sustains improved fuel economy through 50,000 miles	Better	Best
Compatible with conventional API CJ-4 oils	Yes	Yes
Best Overall Performance and Backward compatibility	Better	Best

Typical Properties for Mystik JT-8 Synthetic Blend Super Heavy Duty Engine Oils:

Material Code	625775002	625776002
SAE Grade	10W-30	15W-40
Gravity, ASTM D4052, °API at 60°F	31.5	30.8
Pounds/Gallon at 60°F	7.25	7.30
Specific Gravity at 60°F	0.87	0.88
Viscosity		
at 40°C, cSt	79	112
at 100°C, cSt	11.9	15.2
Viscosity Index	143	141
CCS Viscosity, cP, @ Temperature	5,830 @ -25°C	4370 @ -20°C
MRV Viscosity, cP, @ Temperature	20,000 @ -30°C	15,620 @ -25°C
MRV Yield Stress, Pa, @ Temperature	<35	<35
Pour Point, °F (°C)	-38 (-39)	-33 (-36)
Flash Point, COC, °F (°C)	432 (222)	450 (232)
Noack Evaporative, ASTM D5800, % Loss	11.6	10.7
Color, ASTM D1500	L3.0	L3.5
Total Base Number, ASTM D2896	10	10
Sulfated Ash, ASTM D874, % wt	1.0	1.0

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