



FLEET ENGINE OIL--Monogrades

(A Low-ash Engine Oil)

FLEET monograde engine oils are high quality, low ash (0.85% ash) heavy duty engine oils designed to satisfy major diesel engine and gasoline engine manufacturers' performance requirements. They are intended for a wide variety of applications including over-the-road trucks, mobile equipment, cars and light trucks. This versatility makes **FLEET ENGINE OILS** a sound choice for mixed fleets.

FLEET ENGINE OILS are formulated from highly refined, high VI base oils and specially selected additives to provide superior engine performance. They contain a balanced blend of detergents and dispersants to maintain engine cleanliness. **FLEET ENGINE OILS** effectively prevent sludge and varnish buildup on critical components such as rings, pistons, valve decks and other areas where deposits tend to collect. They also contain additives to prevent wear, rust and corrosion, to guard against foaming, and to insure flow at low temperatures.

In addition to engines, **FLEET ENGINE OILS** are also suitable for many truck transmissions. They provide superior deposit and wear control at high operating temperatures such as that encountered in inter-mountain service. Furthermore, **FLEET ENGINE OILS** (SAE 10, 20 and 30) satisfy Caterpillar TO-2 requirements making them a good choice for Caterpillar powershift transmissions.

BENEFITS:

- IDEAL FOR MIXED FLEETS
- MEETS OR EXCEEDS ENGINE MANUFACTURERS' REQUIREMENTS
- SUPERIOR WEAR AND DEPOSIT CONTROL
- EXCELLENT LOW TEMPERATURES FLOWABILITY

APPLICATIONS:

FLEET ENGINE OILS are recommended for most naturally aspirated or turbocharged diesel engines and gasoline engines. They are also suitable for many transmissions and other applications requiring high quality engine oil. **FLEET ENGINE OIL Monogrades** meet or exceed the following requirements:

- API CF/SJ (all grades ex 10W)
- API CF-2 (SAE 30, 40 and 50)
- API CF (SAE 10W)
- Caterpillar TO-2 and Series III
- Detroit Diesel 149 series
- Detroit Diesel 92, 71, 53 series



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TYPICAL CHARACTERISTICS

SAE Viscosity Grade	10W	20W	30	40	50
API Service Classification*	- CF CD,CE	- CF/SJ CD,CE	CF-2, CF/SJ CD,CE	CF-2, CF/SJ CD	CF-2, CF/SJ CD
Product Code	11510	11520	11530	11540	11550
API Gravity (ASTM D-1298)	29.8	29.0	28.1	27.5	26.5
Viscosity (ASTM D-445):					
cSt @ 40°C	36.9	58	93	141	201
cSt @ 100°C	6.4	8.24	11.0	14.5	18.6
SUS @ 100°F	191	269	490	748	1058
SUS @ 210°F	48	53	64	78	95
Viscosity Index (ASTM D-2270)	126	112	103	101	103
CCS Apparent Viscosity (D 5293)					
cPs @ -25°C (7000 max)	pass	-	-	-	-
cPs @ -15°C (9500 max)	-	pass	-	-	-
Pour Point (ASTM D-97) °F (°C)	-20 (-29)	-10 (-25)	0 (-18)	10 (-11)	10 (-11)
Flash Point (ASTM D-92) °F (°C)	395 (202)	430 (221)	430 (221)	450 (232)	460 (238)
Color (ASTM D-1500)	5.0	5.0	5.0	6.0	6.5
Sulfated Ash, wt % (ASTM D-874)	0.85	0.85	0.85	0.85	0.85
Total Base Number (ASTM D-2896)	7.1	7.1	7.1	7.1	7.1
Specific OEM requirement					
CID AA-52306 or 52306-A	-	-	yes	yes	-
Detroit Diesel 6V-92TA	-	-	yes	yes	yes

* API categories CD and CE are obsolete but claims are shown here.

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.

7/28/2008