



Product Bulletin



GULF SUPER DUTY MONO-GRADE ENGINE OILS

Gulf Super Duty Mono-Grade Engine Oils are premium diesel engine oils. This product line is manufactured with the latest additive technologies to provide excellent protection in high output, heavy-duty diesel engines where a single viscosity grade is specified. These single grade products are fortified with latest technology detergents, dispersants, anti-wear, and anti-corrosion additives to provide excellent protection against engine sludge, varnish formation, wear and high temperature oil thickening. These shear stable oils can be used in certain transmission and mobile hydraulic systems where the equipment manufacturer recommends use of mono-grade engine oil.

FEATURES AND BENEFITS:

- Very good wear protection of valve train components and bearings
- Oxidation resistance to protect against excessive viscosity increase
- Equipment operating in severe and off-road environments, mining, construction, agriculture
- Manual transmissions and hydraulic systems where Allison C3, C4 and/or CAT TO-2 performance is required.
- Resists foaming

PERFORMANCE APPROVALS AND CAPABILITIES:

(Obsolete Service Categories)

- API CF/SL (SAE 10W, 20W-20)
- Allison C3/C4
- API CF, CF-2/SL (SAE 30, 40, 50)
- Caterpillar TO-2

Gulf Super Duty Mono-Grade Engine Oils are available in five viscosity grades that contain the same quality base oils and high performance additives used in most of today's multi-viscosity diesel engine oils. Specific viscosity grades are used in power-shift, manual, and hydrostatic transmissions, final drives, and hydraulic systems where the equipment manufacturer designates the use of heavy-duty, detergent-type engine oils. Always consult Owners' Manuals for specific viscosity grade and API Service Category recommendations.

AVAILABILITY:

Gulf Super Duty Mono-Grade Engine Oils are available throughout Gulf's marketing area. Your Gulf representative or can provide specific information. Need additional information? Call **Gulf** @ 1-800-566-GULF (4853) or visit Nu-tierbrands.com.

Typical Properties

SAE Grade		10W	20W-20	30	40	50
API Service-Obsolete Service Categories		CF/SL	CF/SL	CF, CF-2, SL	CF, CF-2, SL	CF, CF-2, SL
Product Code	Test Method	331301	331302	331303	331304	331315
Gravity, API	ASTM D-4052	30.5	29.1	28.6	27.9	26.8
Density, lbs/gal (g/L)	Calculated	7.27	7.3	7.36	7.39	7.45
Viscosity, cSt @ 40°C	ASTM D-445	42.2	64.5	98.2	138.5	189.0
Viscosity, cSt @ 100°C	ASTM D-445	7.0	9.0	11.8	14.7	17.5
CCS, cP @ °C	ASTM D-5293	5,000 cP (-25°C) max	3,500 cP (-15°C) max	N/A	N/A	N/A
Viscosity Index	ASTM D-2270	125	114	110	106	100
Pour Point, °F	ASTM D-5949	-32	-18	-15	-10	+10
Flash Point, °F	ASTM D-92	420	435	450	450	480
TBN	ASTM D-974	8.5	8.5	8.5	8.5	8.5
Sulfated Ash, Mass %	ASTM D-874	1.0	1.0	<1.0	<1.0	<1.0

**Note: Values shown are typical only and do not constitute a specification. Minor variations in product are to be expected in normal manufacturing. Always confirm with the original manufacturer's recommendation for proper equipment operating requirements.*