

Superlube 518[®]



Straight Grade Diesel Engine Oil SAE 10, 30, 40, 50

General Description

Superlube 518[®] is a premium diesel engine oil designed for older diesel and gasoline engines calling for low-ash straight grade oils. Superlube 518 is proven to protect against sludge, varnish, engine wear, acid accumulation, TBN loss and excessive oil consumption. Formulated with high-viscosity index base oils and an advanced additive package, which includes anti-wear agents, detergents, dispersants, anti-oxidants, rust inhibitors and anti-foam agents.

The superior additive package and advanced technologies contribute to the oils exceptional durability and deposit control. Additionally, Superlube 518 offers better pumpability than other straight weight oils, reducing wear during cold start-ups.

Expect excellent performance in these applications:

- Older two and four stroke diesel engines calling for a 30 or 40 straight grade oil.
- Meets ash requirement for Detroit Diesel 149, 53, 71, and 92 series 2-stroke engines.
- Stationary engines, such as irrigation and standby generators.
- Off-highway agricultural and construction equipment.

Features and Benefits

- **Oil Durability:** High quality paraffinic base oils provide good oxidation control, which translates to longer oil life at higher operating temperatures.
- **Wear Protection:** Protects critical parts from premature wear.
- **Oil Pumpability:** Superlube 518 pumps better than industry requirements, improving oil circulation and reducing engine wear during cold start-ups.
- **Deposit Control:** Multiple engine and field tests confirm its exceptional ability to control deposits and ensure tremendous engine cleanliness in critical areas.
- **Oil Consumption Control:** Reduced deposits and superior wear protection lead to less oil consumption.
- **TBN Retention:** Excellent Total Base Number (TBN) retention, which indicates that the detergents and dispersants protecting your engine remain active throughout the drain interval.

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Typical Applications

Superlube 518 is designed to exceed industry requirements in:

Hydraulic systems calling for 10W engine oil and a minimum zinc level of 900 ppm. **Allison** C-4, C-3 (10W) Manual transmissions such as **ArvinMeritor, Dana Spicer, Eaton Fuller** calling for a 30 or 50 grade mineral oil.

Typical Customers

Operators of:

- Older agricultural and construction diesel and gasoline engines
- Some hydraulics and transmission applications
- Stationary engines, such as irrigation and stand-by generators.

Typical Properties

SAE Viscosity Grade	10	30	40	50
API Service	CF	CF/CF-2, SE	CF/CF2, SE	CF/CF-2, SE
API Gravity / lbs/gal	31.0 / 7.25	29.3 / 7.33	28.8 / 7.35	28.0/7.39
Viscosity, cSt @ 40°C @ 100°C	46 7.4	90.4 11.5	130.0 14.5	203.3 19.1
Viscosity Index	124	116	112	105
Flash C°/F°	207 / 405	242 / 468	250 / 482	254 / 489
Pour Point, C° / F°	-42 / -44	-36 / -33	-33 / -27	-30 / -22
Zinc, wt%	0.11	0.11	0.11	0.11
Sulfated Ash, % wt.	0.8	0.8	0.8	0.8
TBN (D 2896)	8	8	8	8

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.