



Product Data Sheet

Super DEO 10W-30 & 15W-40 Premium Heavy Duty Diesel Engine Oil

DESCRIPTION

Nemco Super DEO 10W-30 and 15W-40 are API CJ-4 approved engine oils developed for use in four-stroke cycle diesel engines designed to meet 2007 and later EPA on-highway exhaust emissions standards. They are specially formulated to protect exhaust after-treatment devices such as diesel particulate filters (DPFs), diesel oxidation catalysts (DOCs) and selective catalytic reduction (SCR) systems. They are backward serviceable for use in pre-2007 diesel engines and may be used in mixed fleets with both diesel and gasoline-fueled vehicles. Their high zinc formula provides excellent protection for older engines.

Super DEO oils are designed for use in mixed fleets with both on highway and off-road equipment operating in varying climates and under varying loads and service conditions. They have excellent soot dispersancy to protect against soot-induced oil thickening and abrasive wear, and excellent oxidation resistance to help minimize deposit formation. The low-ash formulation is designed for compatibility with all exhaust emission control systems in modern diesel engines, and to help prolong DPF life.

Advantages

- Excellent protection for newer low-emission diesel engines and older diesel engines
- Specially formulated to protect exhaust after-treatment devices
- Protect against particulate filter plugging
- Excellent soot control for protection against abrasive wear and soot-induced oil thickening
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protect against sludge and varnish formation
- Protect against rust, bearing corrosion and wear
- Good resistance to foaming and aeration

Applications

- On-highway diesel trucks equipped with EGR and exhaust after-treatment devices to meet 2007/2010 emissions standards
- Older diesel equipment with conventional, non-EGR engines or ACERT engines
- Off-highway construction, earth moving and mining equipment
- Mixed fleets with both diesel and gasoline-fueled vehicles



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Meets and/or exceeds

- Approved for API Service CJ-4, CI-4 with CI-4 PLUS, CI-4, CH-4, and SM
- ACEA E9-08, E7-04
- Caterpillar ECF-3, ECF-2, ECF-1a
- Cummins CES 20081
- Detroit Diesel Power Guard 93K218 (SAE 15W-40), Power Guard 93K214, 7SE270 (4-stroke cycle engines)
- International (Navistar) diesel engines
- Mack EO-0 Premium, EO-M Plus (both grades)
- Mercedes-Benz Sheet 228.31
- MTU MTL 5044 Type 2.1
- Volvo VDS-4, VDS-3, VDS-2
- Diesel engines manufactured by OEMs not listed above, where OEM specifies API CJ-4 engine oil

Typical Characteristics – Super DEO

SAE Grade	15W-40	10W-30
Density, kg/L @ 15 C	0.872	0.868
Viscosity cSt at 40°C cSt at 100°C	117 15.3	76 11.6
Viscosity index	139	142
Pour point °C (°F)	-42 (-43)	-42 (-43)
CCS Viscosity, cP -20°C -25°C	6000 n/a	n/a 6200
MRV-TP1, cP	25,000 @ -25C	23,000 @ -30C
Total Base Number (TBN)	10	10
Sulphated Ash, wt%	0.99	0.99
Zinc, wt. %	0.121	0.121

Physical characteristics shown in the table are typical and may vary slightly.