



XPD SUPER PREMIUM MOTOR OIL

LONG DRAIN 12 TBN DIESEL ENGINE OIL MEETING API SERVICE CI-4/SL

Product Description: XPD SUPER PREMIUM MOTOR OIL is a super premium heavy duty diesel engine oil designed to meet the warranty requirements of most manufacturers of diesel engines equipped with EGR valves and was specifically developed for diesel engines operating on high sulfur fuels. The high alkaline reserve (TBN) effectively protects bearings and other engine surfaces from the corrosive effect of acids formed by the combustion of high sulfur fuels. Recommended for extended drain service when suggested by original equipment manufacturer. This motor oil is a blend of highly refined base oils and specially selected additives designed to provide excellent performance in all recommended applications. Contains effective detergent-dispersant to keep sludge and varnish deposits to a minimum. Additionally fortified with oxidation-corrosion inhibitors, high temperature antiwear additives and foam inhibitors, to protect vital engine parts from scuffing and protect bearings from corrosion.

Features:

- High TBN/Alkaline Reserve - Effectively neutralizes corrosive acids to protect bearings and other vital engine surfaces.
- Minimizes ash deposits in combustion chamber and valve surfaces.
- High oxidation stable - Protects engine against sludge and varnish deposits.
- High alkaline reserve permits extending drain interval to maximum allowed by engine manufacture.
- 12 TBN exceeds Caterpillar's 10 TBN minimum for service when sulfur content of diesel fuel is unknown. Designed to meet 2002 emissions standard and beyond

Typical Uses:

- Meets MACK EO-N Premium Plus, EO-M, EO-N Plus, EO-L Plus and EO-L requirements.
- XPD SUPER PREMIUM MOTOR OIL SAE 15W-40 exceeds the Service Classification CI-4/SL, SAE grades

- 30 & 40 exceed CF/CF-2/SL. These products are recommended for diesel engines using high sulfur fuels.
- Also recommended for use as "long drain" motor oil. Especially cost effective when used in conjunction with an effective used oil analysis program.
- Recommended for all turbo-charged engines where manufacturer specified a CI-4, CH-4, CG-4, CF, MIL-L-2104D or MIL-L-2104F level oil.
- SAE Grades 10W, 30 and 15W-40 meets requirements of Allison C-4 transmission fluid.
- Meets Volvo VDS requirements (VDS-2, VDS-3).
- SAE Grades 30 and 15W-40 meet the requirements of Allison C-4 torque fluid and Caterpillar TO-2.
- SAE Grades 15W-40 meets Cummins 20076 and 20077 requirements. SAE Grade 15W-40 meets MB 228.3.
- Meets ACEA E2 (15W-40 only), B3 and A2 and DHD-1 requirements.

Typical Specifications:

Grades, SAE	10W	15W-40	30	40
Gravity °API	30.1	30.2	29.5	28.9
Flash Point, °F.	420	440	450	460
Fire Point, °F.	440	485	480	515
Pour Point, °F.	-20	-25	+10	+10
Viscosity:				
SUS @ 100° F.	182	503	432	636
SUS @ 210° F.	45	76	66	80
cSt. @ 40° C.	35.3	109	92.5	137
cSt. @ 100° C.	5.69	14.6	12.0	15.5
Viscosity Index	99	139	122	116
Color, D-1500	2.0	2.5	2.5	3.0
Sulfated Ash, Wt.%	1.42	1.42	1.42	1.42
Zinc, Wt.%	0.13	0.13	0.13	0.13
TBN, D-2896	12	12	12	12

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY