LUBENZ SILVER HDEO 5000 series

High Performance Monograde Diesel Engine Oil

Product Data Sheet

Product Description & Application

LUBENZ SILVER HDEO 5000 series are monograde diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4/CF-2 specification. Suitable for heavy duty, high output diesel engines where monograde oils are specified. It provides excellent protection in engines, against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.

Features & Benefits

- Excellent resistance to shearing at extreme operating conditions and retains its lubrication film.
- Good oxidation & thermal stability reduces sludge build up and keeps the engine cleaner.
- Outstanding wear protection to extend engine efficiency and service life.
- Reduced oil consumption at high operating engine temperatures.
- Improved resistance to deposit formation keeps engine clean to give your vehicle maximum power under extreme operating conditions.
- Optimum TBN reserves provide improved acid neutralization and corrosion protection, especially in old heavy duty diesel engines.

Specifications

LUBENZ SILVER HDEO 5000 meets or exceeds following International and Builder specifications:

- API CF-4, CF, CF-2, CD-2, CD, SF, SG, SJ, CC/SC, CD/SF, CF/SF, CG-4, CH-4
- Volvo VDS
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- MB 228.0/1
- Caterpillar TO-2
- Deutz DQC –I-05
- Allison C3 (SAE: 30)
- Detroit Diesel 7SE-270

Application

- Suitable for use in heavy duty 2-stroke & 4-stroke turbocharged and naturally aspirated diesel engines.
- It can be used in both On-highway light and heavy duty trucks & construction and mining equipment, where high or low sulfur diesel is used.
- Suitable for certain stationary equipment, such as pumps that run continuously under steady state conditions.

Typical Characteristics

LUBENZ SILVER HDEO 5000	Test Method	Units	10W	20W-20	30	40	50	60
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.880	0.888	0.892	0.900	0.904	0.906
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	5.6	8.9	11.6	15.4	20.2	24.25
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	32	60	102	158	234	312
Viscosity Index	ASTM D 2270	-	114	104	100	99	99	98
Pour Point	ASTM D 97	°C	-33	-24	-18	-18	-18	-18
Flash Point (COC)	ASTM D 92	°C	214	226	230	236	242	248
Sulfated Ash	ASTM D 874	Wt%	0.85	0.85	0.85	0.85	0.85	0.85
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0	8.0	8.0	8.0

The above figures are typical of blends with normal production tolerance and do not constitute a specification.