Veedol

POWERING PERFORMANCE



VEEDOL **APRESLUBE P SYNTH**

PREMIUM SYNTHETIC INDUSTRIAL GEAR OIL

ENGINEERED FOR ENERGY EFFICIENCY

Performance Features & Benefits

Outstanding resistance to oxidation limits the increase of in-use oil viscosity.

"Clean Gear" technology minimizes risk of formation of harmful sludge and deposits.

High anti-micropitting performance reduces the risk of fatigue failure of gears and rolling bearings.

Excellent resistance to foaming ensures effective lubrication and efficient power transmission.

Compatible with seal materials and paints used in industrial gear systems.

Advanced synthetic base oil improves energy efficiency compared to mineral type gear oils.

Application

- Specific applications include heavy duty multi-stage industrial reduction gears units in steel plants, power plants and cement plants.
- Also suitable for lubrication of bearings in wind turbine applications.
- Heavily loaded spur, bevel, helical and planetary gear units as well as plain antifriction bearings subjected to shock/heavy loads and high temperatures.
- All types of enclosed industrial gear systems requiring extreme pressure lubricating oils.
- Gear units of construction and mining equipment where such type of gear oils are recommended.

Product Description

Veedol Apreslube P Synth is a range of Poly Alpha Olefin (PAO) based fully synthetic, heavy duty industrial gear oils offering outstanding lubrication under severe operating conditions.
Veedol Apreslube P Synth series industrial gear oils provide outstanding service in terms of equipment protection, oil life and trouble-free operation. These oils have a low friction coefficient compared to mineral oils, which helps to lower the operating temperature, thus extending the oil drain period and improving energy efficiency. They exhibit high resistance to micropitting also known as 'grey staining' for optimal gear protection.

Performance Specifications

Meets & exceeds the performance requirements of :

- DIN 51517 Part 3 CLP
- ANSI/AGMA 9005-E02
- AIST (Formerly U.S. Steel) 224
- David Brown S1.53.101 E
- ISO 12925-1 CKD
- Flender AG – Anti-micropitting performance



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Typical Properties

Parameters	Test Method	150	220	320	460
Density@29.5 °C	ASTM D4052	0.848	0.852	0.860	0.860
Kinematic Viscosity, at 40°C, cSt	ASTM D445	150.0	221.4	320.0	458.0
Kinematic Viscosity, at 100°C, cSt	ASTM D445	20.4	27.1	36.0	48.42
Viscosity Index	ASTM D2270	158	157	159	165
Flash Point (COC), °C	ASTM D92	247	254	260	256
Pour Point, °C	ASTM D97	-39	-39	-33	-30
Timken OK Load, lb	ASTM D2782	95	95	95	95
Foaming Characteristics, Seq. I/II/III	ASTM D892	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0
Four Ball Weld Load, kg	ASTM D2783	250	250	250	250
Four Ball Wear Scar, mm	ASTM D2266	0.25	0.27	0.26	0.25
Copper Corrosion at 100 °C, 3hr	ASTM D130	1b	1b	1b	1b
Rust Test	ASTM D665	Pass	Pass	Pass	Pass
S-200 Oxidation (312 hr @95°C), Viscosity increase, %	ASTM D2893	1.19	1.64	1.43	1.4
FZG Scuffing Load Test (A/8.3/90), fail stage	ASTM D5182	>14	>14	>14	>14
FZG Micropitting Test @90 °C	FVA 54/7	>10	>10	>10	>10
FZG Micropitting, GF-Class, Rating	FVA 54/7	High	High	High	High

The above typical properties are those obtained with normal production tolerance and do not constitute as specification. Variations that do not affect product performance are to be expected during normal manufacturing processes and at different blending locations. The information contained herein is subject to change without notice.

STORAGE

All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT

The information on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. If handled correctly, there are no special precautions suggested.

VEEDOL CORPORATION LIMITED

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