



## **Apreslube Gold 320**

*Industrial Gear Oil*

### **TECHNICAL DATA SHEET**

#### **Product Description:**

Veedol Apreslube Gold 320 is top tier industrial gear oil formulated with solvent refined base oils and latest technology additive package to provide optimum equipment protection even under severe conditions.

Veedol Apreslube Gold 320 provides superior resistance against micropitting fatigue. It has improved thermal and oxidation stability over conventional industrial gear oils. It has good demulsibility characteristics, low foaming tendency and provides rust and corrosion protection, wear protection to metal surfaces. It has excellent compatibility with ferrous and non-ferrous metals even at elevated temperatures.

Veedol Apreslube Gold 320 has low friction coefficient and good low-temperature performance, which makes it ideal for wind turbine and other remote, long-life applications.

#### **Performance Specifications:**

Meets & exceeds the performance requirements of

- Siemens MD revision 15 for Flender gear units
- U.S. Steel 224 (AIST 224)
- AGMA 9005-F16 Antiscuff
- DIN 51517, part III (2014)
- FAG FE-8 as per DIN 51819-3
- David Brown S1.53.101 E
- ISO 12925-1 (CKD) – 2002
- Key requirements of Chinese Specification GB5903-2011 (CKD)
- SEB 181226

#### **Features/Benefits:**

- Consistently strong micropitting performance as specified by Flender AG at 60°C and 90°C
- Outstanding demulsibility ensures easy separation from water
- Excellent phosphorus retention ensuring extended wear protection.
- Clean gear performance under conditions of high temperature and oxidation
- Offers excellent corrosion and foam performance.
- Outstanding high load carrying ability

#### **Application:**

- Recommended for gear boxes using forced circulation or splash, oil bath lubrication.
- Recommended for the lubrication of helical, bevel and planetary type of gear units.
- Suitable for heavily loaded industrial gearboxes in cement industries, paper, steel etc.
- Systems requiring high levels of reliability – particularly recommended for remote installations such as wind turbines, where maintenance is infrequent and access can be difficult.



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#### Typical Properties:

Test Parameter	Test Method	Typical Value
Kinematic Viscosity, @ 40°C, cSt	ASTM D 445	310
Viscosity Index	ASTM D 2270	98
Flash Point (COC), °C	ASTM D 92	256
Pour Point, °C	ASTM D 97	-9
Demulsibility, (40-37-3), time in minutes	ASTM D 1401	15
Weld Load, Kgs.	ASTM D 2783	250
Four Ball Wear scar test @54 °C, 1800 rpm, 20 kg, 1 hr, mm	ASTM D 2266	0.3
Timken OK Load, Lbs.	ASTM D 2782	60
FZG Rating, Fail load Stage	DIN 51354 (A 8.3/90) (A 16.6/ 90)	>12 >12
FVA/54 Micropitting test, Load stage/ Endurance test	FVA/ 54	10 High

Properties mentioned above are typical only and minor variations which do not affect the product performances, are to be expected in normal manufacturing.