# Apreslube

Industrial Gear Oil

## Product Description:

Veedol Apreslube is a range of high performance, heavy duty industrial gear oils which have been developed for the lubrication of enclosed gears, working under both normal and severe operating conditions.

Formulated using high quality base oils and sulphur-phosphorus based additive technology, Apreslube oils show excellent results in the FZG Gear Load Test which is a benchmark for gear wear protection and load carrying capacity. In addition, special inhibitors provide outstanding protection against rust, corrosion, and foaming.

## Performance Specifications:

VVeedol Apreslube 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
- ISO 12925-1 CKC/CKD

## Features/Benefits:

- Excellent thermal stability helps keep gears and bearing surface clean, minimizes deposits.
- High oxidation resistance limits the increase of in-use oil viscosity which can lead to energy loss.
- Outstanding extreme pressure capability ensures minimized wear helping prolonged equipment life.
- Effective inhibitor additives provide additional protection and promote longer oil life.

## Application:

- Recommended for enclosed industrial gear systems requiring extreme pressure lubricating oils.
- Lubrication of highly loaded bearings.
- Suitable for bath, spray, splash, circulating or mist lubrication of gears as applicable to the recommended viscosity grade.

## Typical Properties:

| Parameters | Test Method | 68 | 100 | 150 | 220 | 257 |
|---|---|---|---|---|---|---|
| Density @ 29.5°C | ASTM D4052 | 0.874 | 0.880 | 0.883 | 0.889 | 0.890 |
| Kinematic Viscosity at 40°C, cSt | ASTM D445 | 67.7 | 101.5 | 151.4 | 221.2 | 255.8 |
| Kinematic Viscosity at 100°C, cSt | ASTM D445 | 8.72 | 11.40 | 15.10 | 19.26 | 21.05 |
| Viscosity Index | ASTM D2270 | 100 | 98 | 99 | 98 | 97 |
| Flash Point (COC), °C | ASTMD92 | 238 | 244 | 254 | 260 | 264 |
| Pour Point, °C | ASTM D97 | -21 | -18 | -15 | -12 | -12 |
| Timken OK Load, lb | ASTM D2782 | 60 | 65 | 65 | 70 | 70 |
| Four Ball Weld load, kg | ASTM D2783 | 250 | 250 | 250 | 250 | 250 |
| Copper Corrosion at 100 °C, 3 hr | ASTM D130 | 1b | 1b | 1b | 1b | 1b |
| Rust Test | ASTM D665 | Pass | Pass | Pass | Pass | Pass |
| FZG (A/8.3/90), Pass load stage | DIN 51354 | 12 | 12 | 12 | 12 | 12 |

| Parameters | Test Method | 320 | 460 | 680 | 1000 |
|---|---|---|---|---|---|
| Density @ 29.5°C | ASTM D4052 | 0.891 | 0.897 | 0.916 | 0.938 |
| Kinematic Viscosity @ 40°C, cSt | ASTM D445 | 320.1 | 455.7 | 674.4 | 991.3 |
| Kinematic Viscosity at 100°C, cSt | ASTM D445 | 24.15 | 30.51 | 38.64 | 48.31 |
| Viscosity Index | ASTM D2270 | 96 | 96 | 94 | 92 |
| Flash Point (COC), °C | ASTMD92 | 268 | 270 | 294 | 332 |
| Pour Point, °C | ASTM D97 | -12 | -9 | 0 | 0 |
| Timken OK Load, lb | ASTM D2782 | 70 | 70 | 70 | 70 |
| Four Ball Weld load, kg | ASTM D2783 | 250 | 250 | 250 | 250 |
| Copper Corrosion at 100 °C, 3 hr | ASTM D130 | 1b | 1b | 1b | 1b |
| Rust Test | ASTM D665 | Pass | Pass | Pass | Pass |
| FZG (A/8.3/90), Pass load stage | DIN 51354 | 12 | 12 | 12 | 12 |

The above typical properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture 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 informtion 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** *[formerly tide Water oil Co. (India) Limited]*
Corporate Office: 902, Godrej TWO, Vikhroli, Eastern Express Highway, Mumbai-400 079.
Regd. Office: Yule house, 8, Dr. Rajendra Prasad Sarani, Kolkata-700 001, West Bengal, India.
www.veedolindia.com