

ANDEROL 5460 XEP

Synthetic Gear and Bearing Lubricant Product Data Sheet



ANDEROL 5460 XEP is a synthetic based, high performing gear lubricant to be used in industrial equipment. It was formulated to withstand heavy loads and severe conditions resulting in very good micropitting resistance. The PAO based product gives superior advantages to the mineral oil based products, especially with regards to low pour point, oxidation stability and energy consumption. Anderol 5000 XEP range is available in the grades ISO VG 150, 220, 320, 460, 680 and 1000.

Meets or exceeds the requirements of:
ANSI/AGMA 9005 (table 3)
AISE 224 (formerly USS 224)
DIN 51.517
Cincinnati Machine P-35

ADVANTAGES / BENEFITS

- Excellent oxidation and thermal stability
- Wide operating temperature range
- Lower maintenance costs
- Excellent load carrying ability
- Extended lubricant life
- Improved cleanliness
- Excellent anti wear & EP properties
- Very good rust and copper corrosion prevention
- Compatible with petroleum oils, therefore allowing minimal effort to changeover

COMPATIBILITY

The following seals, paints and plastics are recommended for use in contact with Anderol Company Synthetic Lubricants. Materials not recommended are also shown. For more information on other materials see our 'Compatibility Guide'.

RECOMMENDED :

Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon, PBT

NOT RECOMMENDED:

Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC, ABS

APPLICATION

- Particularly suited for gear applications in which extreme service conditions
- All types of enclosed gear drives
- Bearings, including plain rolling elements and antifriction types
- Enclosed gear cases and speed reducers

APPROVALS

- Flender
- Kumera Drives
- Rossi Motoriduttori

PRODUCT SPECIFICATIONS

| PROPERTIES | TEST METHOD | ANDEROL 5460 XEP |
|--------------------------------------------------------------------|-----------------|---------------------|
| Appearance @ 20°C | visual | Clear Yellow Liquid |
| Viscosity @ 40°C, cSt | ASTM D-445 | 420.2 |
| Viscosity @ 100°C, cSt | ASTM D-445 | 42.4 |
| Viscosity Index | ASTM D-2270 | 154 |
| Density @ 15°C, kg/l | ASTM D-1298 | 0.908 |
| Total Acid Number, mg KOH/g | ASTM D-664 | 0.5 |
| Flash Point, °C | ASTM D-92 | 250 |
| Pour Point, °C | ASTM D-97 | -42 |
| Foam , Sequence I,II ml | ASTM-892 | 20 |
| Micropitting Resistance Test | FVA,54/11 | High |
| FZG GearTest, Pass Stage | DIN/ISO 14635-1 | 14 |
| FE-8 Industrial Gear requirements | DIN 51819 T1-T3 | |
| * Bearing Lubrication Test J1 (FAG Step I) | | Pass |
| * Bearing Lubrication Test J2 (FAG Step II) | | Pass |
| FAG Wind Power requirements | | |
| * Windpower Level 3 Test L11 (FAG Step III) | | Pass |
| * Oil suitability for Wind Energy Plant Applications (FAG Step IV) | | Pass |
| Four Ball Wear, 1200 rpm, 75°C, 40 kg | ASTM D-4172 | 0.5 |
| Four Ball Weld, kg | ASTM D-2783 | 250 |

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FOR MORE INFORMATION

This information is furnished for informational purposes only and is not intended to be relied upon for any specific application. Only the original product literature and Material Safety Data Sheet should be consulted for complete information.