

ANDEROL 5999 XEP

Synthetic Gear and Bearing Lubricant

Product Data Sheet



ANDEROL 5999 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

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
- Rossi Motoriduttori

PRODUCT SPECIFICATIONS

PROPERTIES	TEST METHOD	ANDEROL 5999 XEP
Appearance @ 20°C	visual	Clear Yellow Liquid
Viscosity @ 40°C, cSt	ASTM D-445	962.4
Viscosity @ 100°C, cSt	ASTM D-445	88.9
Viscosity Index	ASTM D-2270	178
Density @ 15°C, kg/l	ASTM D-1298	0.905
Total Acid Number, mg KOH/g	ASTM D-664	0.5
Flash Point, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-36
Foam , Sequence I,II ml	ASTM-892	10
Micropitting Resistance Test	FVA,54/11	High
FZG GearTest, Pass Stage	DIN/ISO 14635-1	14
Bearing Lubrication Test J1 (FAG Step I)	DIN 51819 T1-T3	Pass
* Bearing Lubrication Test J2 (FAG Step II)		Pass
FAG Wind Power requirements		Pass
* 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	0.55
Four Ball Weld, kg	ASTM D-2783	250

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FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

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