

# ANDEROL PRODUCT DATA SHEET

## ANDEROL® 5000 XEP SERIES

Synthetic Gear and Bearing Oils, EP



Reinhard Oil A/S  
Helleruplund Alle 8  
DK-2900 Hellerup  
Tel: +45 70 26 70 07  
www.reinhardoil.dk

### GENERAL INFORMATION

The ANDEROL 5000 XEP series EP Synthetic Gear Oils are a family of products particularly suited to gear applications requiring micropitting resistance. They are available in ISO grades 220, 320, and 460. These products are formulated with polyalphaolefin (PAO) base stocks in order to provide performance greatly superior to conventional petroleum oils. The molecular structure of PAO resembles that of high quality petroleum oils. Indeed, PAO fluids are fully compatible with petroleum based oils while offering significantly improved load carrying ability, excellent wear and rust protection, high viscosity index, high flash point, low pour point, outstanding oxidative stability, and cleaner running systems.

### TYPICAL PROPERTIES:

PROPERTY	TEST METHOD	5220 XEP	5320 XEP	5460 XEP
ISO Grade	---	220	320	460
AGMA Grade	AGMA 9005	5 S	6 S	7 S
Viscosity, 40°C, cSt	ASTM D-445	219.1	299	451
Viscosity, 100°C, cSt	ASTM D-445	24.8	32.3	45
Viscosity Index	ASTM D-2270	142	149	156
Flash Point, °C (°F)	ASTM D-92	264 (505)	260 (500)	264 (505)
Pour Point, °C (°F)	ASTM D-97	-54 (-65)	-45 (-49)	-42 (-44)
Total Acid Number, mg KOH/g	ASTM D-664	0.50	0.59	0.55
Foam Tendency, ml (Seq I, II)	ASTM D-892	0/0	0/0	0/5
Density, 15°C	ASTM D-1250	0.899	0.899	0.908
Micropitting Resistance Test	FVA, 54/11	High	High	High
FZG pass load stage	DIN 51354	12	12	12
Thermal Stability	CM-P	Pass	---	---

### SPECIFICATIONS

- Approved by FLENDERS GmbH as a High Micropitting Resistant Lubricant
- Anderol 5220XEP is approved P-74 by Cincinnati Machine (CM-P)
- Meets or exceeds the requirements of:
  - ANSI/AGMA 9005 (Table 3)
  - AISE 224 (formerly USS 224)
  - DIN 51517 part 3
  - David Brown S1.53.101
  - Cincinnati Machine P-35 (ISO 460) and P-59 (320)

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**For more information, please refer to the relevant Material Safety Data Sheet accompanying each product.**

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**ANDEROL 5000 XEP Series**

## APPLICATIONS

- Particularly suited to gear applications in which extreme service conditions
- All types of enclosed gear drives
- Bearings, including plain, rolling elements and antifriction types
- Applications requiring high micropitting resistance such as in Wind Turbine Gear systems

## ADVANTAGES

- Excellent oxidation and thermal stability
- High operating temperature range
- Lower maintenance costs
- Excellent load carrying ability
- Extended lubricant life
- Improved cleanliness
- Compatible with paints, gaskets, and seals used with conventional petroleum based oils
- Compatible with petroleum oils, therefore allowing minimal effort to changeover

## COMPATIBILITY

ANDEROL synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an ANDEROL synthetic hydrocarbon based lubricant.

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