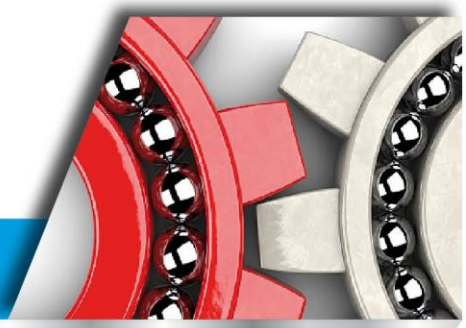
PRODUCT DATA SHEET



ANDEROL 5320 PLUS

Advanced Technology Gear and Bearing Oils, EP

ADVANTAGES/BENEFITS

- Superior oxidative and thermal stability compared to mineral oil
- Wide operating temperature range
- Lower maintenance costs
- Excellent load carrying ability
- Corrosion resistant
- 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. The **ANDEROL 5000 PLUS** series meets or exceeds the SBR-NBR28 seal requirements in the DIN 51517-3 specification. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an **ANDEROL®** synthetic hydrocarbon based lubricant.

APPLICATION

- Particularly suited to gear applications in extreme service conditions
- All types of enclosed gear drives
- Bearings, including plain, rolling elements and antifriction types
- Applications requiring high micro pitting resistance.

ANDEROL 5320 PLUS EP Synthetic Gear Oil is particularly suited for gear applications requiring high micro pitting resistance. It is formulated using a specific balance of synthetic base stocks in order to provide performance greatly superior to conventional petroleum oils. **ANDEROL 5320 PLUS EP** is fully compatible with petroleum based oils while offering significantly improved load carrying ability, excellent wear and rust protection, higher viscosity indices, higher flash points, low pour points, cleaner running systems, and improved thermal and oxidative stability which can extend lubricant life reducing maintenance costs.

ANDEROL 5320 PLUS EP meets or exceeds the requirements of:

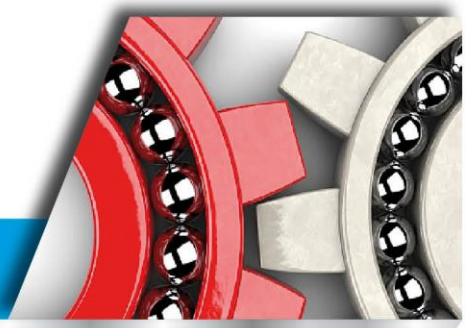
- AISE 224 (formerly USS 224)
- ANSI/AGMA 9005-E02 (EP)
- David Brown S1.53.106
- DIN 51517-3
- ISO 12925-1:1996 (type CKC)

PROPERTIES	TEST METHOD	ANDEROL 5320 PLUS
ISO VG	ASTM D-2422	320
AGMA Grade	AGMA 9005-D94	6EP
Viscosity @ 40°C, cSt	ASTM D-445	330
Viscosity @ 100°C, cSt	ASTM D-445	35
Viscosity Index	ASTM D-2270	153
Density @ 15.6°C, (60°F)	ASTM D-1250	0.86
Total Acid Number, mg KOH/g	ASTM D-664	0.7
Flash Point, °C	ASTM D-92	246
Pour Point, °C	ASTM D-97	-42
Foam Seq, I, II, III (ml/ml)	ASTM-892	0/0, 10/0, 0/0
Copper Corrosion	ASTM D-130	1a
Steel Corrosion	ASTM D-665A	Pass
Oxidation, % KV100 change	ASTM D-2893	1.3

(CONTINUED ON PAGE 2)

ANDEROL®
Specialty Lubricants
Groot Egtenrayseweg 23, 5928 PA Venlo, The Netherlands • Tel: +31 (0)77 3960340 • www.anderol-europe.com

PRODUCT DATA SHEET



ANDEROL 5320 PLUS

Advanced Technology Gear and Bearing Oils, EP

APPROVALS

- Flender (Siemens) Helical, Bevel and Planetary Gear Units and Geared Motors (Rev. 15)
- Maag Gear (FLSmidth) "Recommended Lubricants for Gearboxes and Toothed couplings", Doc No 60000208.
- Hansen Industrial Transmissions (Sumitomo) "Acceptance of Lubricating Oils for Industrial Gear Units", BUI-TEC-2009-4-001.
- Fives Cincinnati P-Specifications (formerly Cincinnati Machine).
- Sumitomo Paramax Series gearboxes
- GE Off-Highway Vehicle Gearbox Oil D50E35 B, C, D, E
- Geremia Redutores Ltda.
- WEG-Cestari Redutores Ltda.
- Zanini Renk Equipamentos Industriais Ltda.
- Grupo TGM

PROPERTIES	TEST METHOD	ANDEROL 5320 PLUS
4-Ball Wear, mm	ASTM D-4172	0.27
4-Ball EP	ASTM D-2783	
Load Wear Index, kgf		54.1
Weld Point, kg		250
FAG FE8, roller bearing wear	DIN 51819-3	
Weight loss Rollers, mg		4
Weight loss Cage, mg		29
FZG A/8.3/90, pass load stage	DIN 51354	≥14
FZG A/16.6/90, pass load stage	DIN 51354	≥14
Micro pitting resistance	FVA 54/7	High

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

REGISTRATIONS

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