

## **ANDEROL® 555** **“Process Gas Lubricant”**

SYNTHETIC COMPRESSOR OIL (ISO VG 100)

### **DESCRIPTION**

**ANDEROL® 555**, previously known as, “ANDEROL Process Compressor Lubricant”, is an ISO 100 diester-based synthetic compressor lubricant specifically designed to provide long-term lubrication in process gas compressors. The product is approved and listed in UOP’s T-509-02 “Reciprocating Compressor Spec Writer, REV. 1.2”.

### **APPLICATIONS**

Cylinder and crankcase lubrication for reciprocating compressors and vacuum pumps for the following gases:

Air	Hydrogen	Carbon Dioxide (dry)	Natural Gas
Butadiene	Methane	Ethylene	Propane
Carbon Monoxide	Nitrogen	Helium	Synthesis Gas
Furnace (crack) Gas	Sulphur Hexafluoride	Hydrogen Sulphide (dry)	

Nominal Operating Range is  $-20^{\circ}\text{C}$  to  $230^{\circ}\text{C}$

### **ADVANTAGES**

- No metallic additives to interfere with catalytic processes
- Fewer oil changes
- Lower oil consumption
- Reduces compressor maintenance
- Eliminates lacquering and deposits
- Greatly reduces fire and explosion hazard
- Reduces energy consumption
- Separates water condensate rapidly

### **APPROVALS and SPECIFICATIONS**

ANDEROL 555 is field tested, approved or recommended by major compressor manufacturers. The product is approved and listed in UOP’s T-509-02 “Reciprocating Compressor Spec Writer, REV. 1.2”.

## TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	ANDEROL® 555
Viscosity, cSt		
@ 40°C	ASTM D 445	95.0
@ 100°C	ASTM D 445	9.2
Pour Point, °C	ASTM D 97	-34
Flash Point, COC, °C	ASTM D 92	262
Specific Gravity, 15.6°C (60°F)	ASTM D 4052B	0.96
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D 130	1B
Autoignition Temperature, °C	ASTM E 659	410
Evaporation, 22 hrs @ 99°C (210°F), % loss	ASTM D 972	<1.0
Conradson Carbon Residue, %	ASTM D 189	0.02
Four-Ball Wear, 1200 rpm, 167°F (75°C), 40 kg, 1 hour, mm	ASTM D 4172	0.8
Demulsibility @ 54°C, mL oil/water/emulsion (min)	ASTM D 1401	41/39/0(25)

## 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 please call ANDEROL Technical Services

**RECOMMENDED:** Fluorocarbon, High Nitrile Buna N, Polytetrafluoroethylene, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Acetal Resin Copolymer, and PBT.

**NOT RECOMMENDED:** Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC, and ABS.

A555: REV071613

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