

SYNDRAULIC[®] EXTREME

Freezer Service Synthetic Hydraulic Oil



Beyond Synthetic[™]

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Syndraulic[®] Extreme is a clean, long life, energy efficient, minimum leak, hydraulic oil specifically designed for hydraulic systems operating at low ambient temperatures. Its high viscosity index coupled with its excellent low temperature fluidity make it the ideal choice for equipment operating or exposed to low outside temperatures, or equipment operated in freezers. Syndraulic[®] Extreme also performs exceptionally well at normal ambient temperatures, eliminating the need to stock two different hydraulic oils or to dedicate specific equipment to different environmental conditions.

Syndraulic[®] Extreme is formulated to greatly increase not only the life of the oil but the seals, filters and pumps of hydraulic systems. Syndraulic[®] Extreme contains Royal Purple's proprietary Synerlec[®] additive technology, which can lower operating temperatures and restore normal operation to erratically operating hydraulic systems.

Syndraulic[®] Meets or Exceeds the Requirements of these Manufacturers:

- Cincinnati Milacron P-68, 69, 70
- Denison P-46; T-5D; HF-0, 1, 2
- Vickers 104C vane; 35VQ-25
- Sperry Vickers I-286-S; M-2950-S
- Racine Model S, Variable Volume
- Din 51524, Part 2
- Lee Norse 100-1
- Jeffery No. 87
- Ford M-6C32
- U.S. Steel 127, 136
- B.F. Goodrich 0152
- General Motors LH-04-1, 06-1, 15-1
- Commercial Hydraulics (except PM-500 silver)
- AFNORE E 48-603

Performance Advantages:

- **High Film Strength**
Syndraulic[®] Extreme protects hydraulic components beyond the ability of other hydraulic oils.
- **Longer Oil Life**
Syndraulic[®] Extreme has exceptional oxidation stability that greatly extends oil change intervals while keeping systems clean.
- **Improved System Performance**
Syndraulic[®] Extreme frequently lowers operating temperatures and restores smooth, consistent performance to erratically operating hydraulic systems.
- **Excellent Corrosion Protection**
The tough oil film of Syndraulic[®] Extreme forms an ionic bond on metal surfaces. This tough film not only protects during operation and acts as a preservative oil during shutdown, but also provides instant lubrication upon startup to prevent wear.
- **Rapidly Separates from Water**
Syndraulic[®] Extreme rapidly and completely separates from water.
- **Compatible with Seals**
Syndraulic[®] Extreme has excellent seal compatibility.
- **Environmentally Responsible**
Syndraulic[®] Extreme extends oil drain intervals due to longer oil service life, eliminates premature oil changes due to oil / water emulsions, greatly reduces oil purchase and disposal costs and conserves energy.

Synerlec[®] additive technology Makes the Difference!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synerlec[®] additive technology that gives Royal Purple's lubricants their amazing performance advantages. Synerlec[®] additive technology truly is *beyond synthetic*.[™]

Synerlec[®] additive technology forms a tough, slippery, synthetic film on all metal surfaces. This proprietary film significantly improves lubrication: first, by increasing oil film thickness and second, by increasing oil film toughness, both of which help to prevent metal-to-metal contact. It displaces moisture from metal surfaces and protects all metals against rust and corrosion. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

Typical Properties*	ISO 32
Viscosity	
cSt @ 40°C	32.0
cSt @ 100°C	5.9
SSU @ 100°F	163
SSU @ 210°F	46
Viscosity Index	130
Specific Gravity	0.846
Flash °F	455
Fire °F	505
Pour °F	-60
Demulsibility (15 min.)	Pass
Foam Test	
Sequence II	0 ml / 0 ml
Copper Corrosion	1A
Rust Test	Pass

*All properties are typical and may vary.