

High Quality Refrigeration Oil For Ammonia System

# MYCOM A1



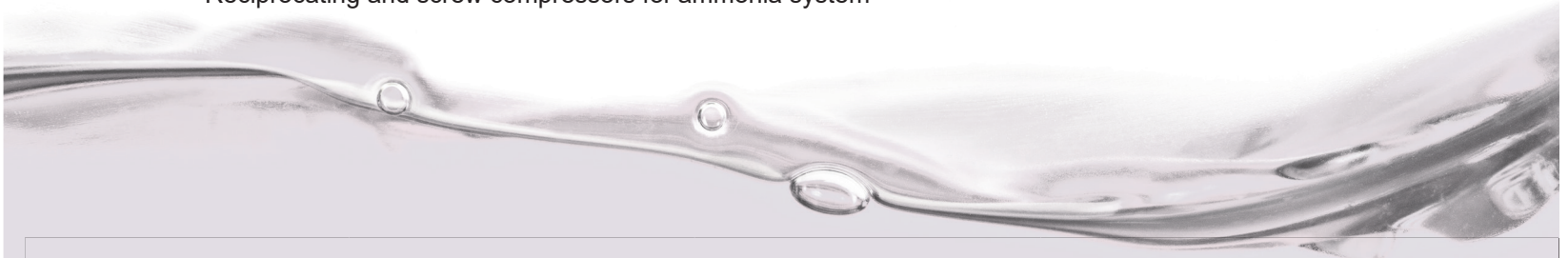
## FEATURES

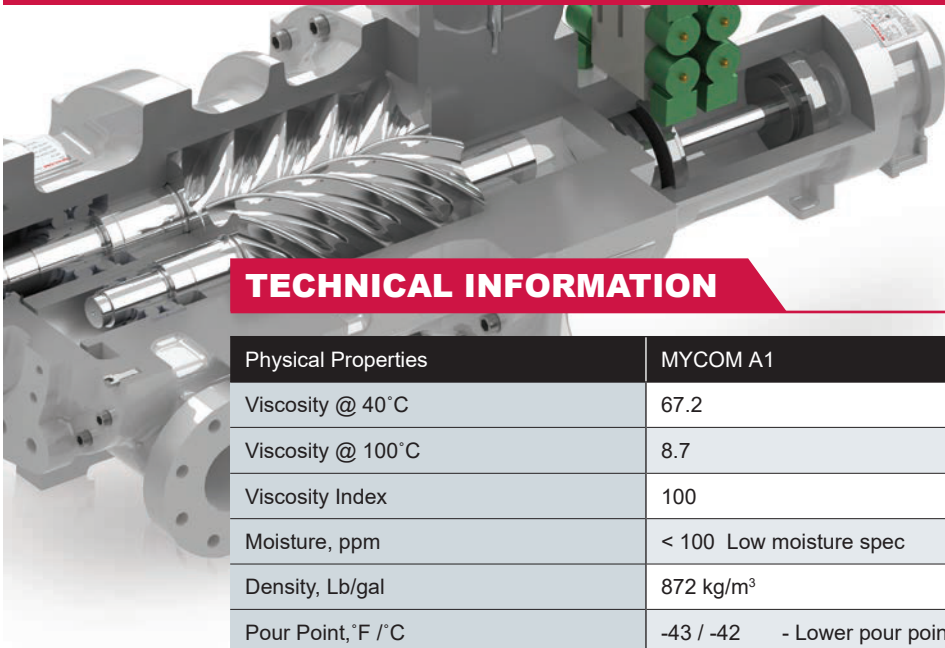
- MYCOM A1 is a high performance ammonia compressor lubricant made with ammonia compatible high purity hydrocracked, iso-dewaxed paraffinic base oil.
- MYCOM A1 brings high efficiency to system due to special formulation with advanced seal conditioning and self-cleaning additive system, to prevent seal leakages for old system and also to prolong system internal cleanliness free of sludge.
- MYCOM A1 has optimum viscosity providing best compressor protection and minimizes oil loss with very low foaming tendency.
- MYCOM A1 has properties of excellent thermal and oxidation resistance, as well as hydrolytic stability to support long extended service drain interval. Its low pour point character supports good oil flow at extreme condition.

## APPLICATIONS

To assure proper lubricant selection, please consult the nearest Mayekawa office.

- Reciprocating and screw compressors for ammonia system





## TECHNICAL INFORMATION

Physical Properties	MYCOM A1
Viscosity @ 40°C	67.2
Viscosity @ 100°C	8.7
Viscosity Index	100
Moisture, ppm	< 100 Low moisture spec
Density, Lb/gal	872 kg/m <sup>3</sup>
Pour Point, °F / °C	-43 / -42 - Lower pour point, better oil return from evaporator
Flash Point, COC, °F / °C	475 / 246 - Better Thermal stability, lower oil loss
Specific Gravity	0.873
Seal Conditioning Additives	Yes - Maintain seal, minimize oil leakage
Self-Cleaning Additive	Yes - Maintain system internal cleanliness and energy efficiency
Base Oil Type	Ammonia Compatible Hydrotreated Group II (Paraffinic) Oil – Minimizes sludge formation, maximizes energy efficiency and mechanical reliability

## PROPERTIES and BENEFITS

Physical Properties	Benefit
ISO VG 46/55/58 vs ISO VG 68	ISO VG 68-> <ul style="list-style-type: none"> <li>· Better Bearing lubrication, lower wear and tear</li> <li>· Larger oil droplet at separator for better ammonia / oil separation, lower oil loss</li> </ul>
Viscosity Index	Higher VI -> <ul style="list-style-type: none"> <li>· Less viscosity changes at high / low temp</li> </ul>
Naphthenic / Alkylbenzene / Low purity paraffinic vs High Purity Paraffinic Base oil	Naphthenic oil issues-> <ul style="list-style-type: none"> <li>· Reaction with Ammonia, sludge formation</li> <li>· Reduce oil life</li> <li>· High oil top up</li> <li>· Higher pour point</li> </ul> Paraffinic Oil-> <ul style="list-style-type: none"> <li>· High Purity Paraffinic Base Oil</li> <li>· Longer oil life</li> <li>· Lower oil top up</li> <li>· Lower pour point</li> </ul>
Flash Point	Higher flash point-> <ul style="list-style-type: none"> <li>· Lower evaporation loss</li> <li>· Lower oil top up</li> <li>· Better thermal stability at compressor discharge</li> </ul>



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