# Mobil Gargoyle Arctic SHC™ NH 68

Mobil Industrial , Belgium

Synthetic Lubricant for refrigeration compressors - Ammonia applications

## Product Description

Mobil Gargoyle Arctic SHC NH 68 is a fully synthetic lubricant, specifically designed to lubricate refrigeration compressors in high performance plants using ammonia as the refrigerating fluid. MobilGargoyle Arctic SHC NH 68 is formulated using wax free, synthesized hydrocarbons of polyalphaolefin (PAO) and synthetic Alkylbenzene base oils, which have demonstrated outstanding resistance to thermal/oxidative degradation. Even in the worst operating conditions, Mobil Gargoyle Arctic SHC NH 68 will reduce sludge and deposit formation, hence avoiding or minimizing valve or filter plugging.

## Features and Benefits

The Gargoyle Arctic SHC brand of lubricants are recognised and appreciated around the world for their innovation and outstanding performance. Mobil Gargoyle Arctic SHC NH 68 offers exceptional advantages for ammonia applications as follows.

| Features | Advantages and Potential Benefits |
|---|---|
| Very low pour point | Enables evaporator temperature below conventional mineral naphthenic oils |
| Solvency | Cleaning effect, especially when switching from mineral oil technology |
| Wax-free | Excellent low temperature fluidity, no waxy deposits and improved evaporator efficiency |
| Superior thermal/oxidative and chemical stability | Long oil life compared to mineral lubricant, inducing extended drain intervals and lessroutine maintenance. In turn reduction of maintenance costs |
| Good compatibility with seals previously used with mineral lubricant | Limited risk of oil leakage |
| Low volatility | Avoids viscosity build-up, reduced oil consumption |

## Applications

Mobil Gargoyle Arctic SHC NH 68 is recommended for use in screw or reciprocating refrigerationcompressors, in plants using ammonia as refrigerating fluid.Mobil Gargoyle Arctic SHC NH 68 is compatible with mineral lubricants, however, in case ofswitch over, performances or benefits may be minimized, depending on the ratio of mineral oilremaining in the blend. In such case, a specific oil analysis follow up with control of filters should be handled in the following 6 months accordingly.

## Properties and Specifications

| Property | |
|---|---|
| Grade | ISO 68 |
| ASTM Color, ASTM D1500 | 0.5 |
| Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 | 1B |
| Flash Point, Pensky-Martens Closed Cup, °C, ASTM D93 | 211 |

| Property | |
|---|---|
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 8.5 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 64 |
| Pour Point, °C, ASTM D97 | -54 |
| Specific Gravity, 15 C/15 C, ASTM D1298 | 0.85 |
| Viscosity Index, ASTM D2270 | 111 |
| Water, ppm, ASTM D1533 | <100 |

### Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

11-2022
ExxonMobil Lubricants and Specialties Europe division of ExxonMobil Petroleum & Chemical BV
Polderdijkweg
B-2030 Antwerpen

Automotive products: 0800 80634
Industrial products: 0800 80635
Fax: 0800 80648

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

ExxonMobil

Exxon Mobil Esso XTO

© Copyright 2003-2024 Exxon Mobil Corporation. All Rights Reserved