



# HDAX<sup>®</sup> NG SCREW COMPRESSOR OILS

## ISO 68, 100, 150

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### PRODUCT DESCRIPTION

HDAX<sup>®</sup> NG Screw Compressor Oils are formulated for use in natural gas screw compressors running on dry natural gas, or natural gas containing water or sour gases.

### CUSTOMER BENEFITS

HDAX NG Screw Compressor Oils deliver value through:

- **Cost effectiveness** — Provide excellent performance at a significantly lower cost than polyglycol synthetics.
- **Wide range of operating temperatures** — Ability to start compressors in colder environments, and ability to provide ample oil film thickness at operating temperatures.
- **Corrosion protection** — Contain rust and corrosion inhibitors to help protect equipment against water and corrosive effects of sour gases.

### FEATURES

HDAX NG Screw Compressor Oils are formulated to

- **meet the lubrication demands of screw compressors in natural gas service.**
- **protect lubricated parts against the corrosive effects of water and sour gas.**

HDAX NG Screw Compressor Oils are formulated with premium Group II base oil technology and ashless additives. The base stocks and selected additives extend the low temperature operating range of the compressor, allowing cold starts and ability to quickly reach operating pressure. Other additives protect against wear, rust, deposits, foaming, and help protect compressor parts from the corrosive effects of sour gas.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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High viscosity indices and extremely low pour points allow HDAX NG Screw Compressor Oils to remain fluid at low startup temperatures, helping to protect moving parts when lubrication is most needed.

These ashless oils also stay sufficiently viscous at high operating temperatures to protect bearings during operation.

HDAX NG Screw Compressor Oils have excellent thermal and oxidative stability, minimizing the deposits and sludge which can form due to lubricant degradation in the high temperature environment of the compressor.

### APPLICATIONS

HDAX NG Screw Compressor Oils should not be used in ammonia or air compressors services.

Polyglycol synthetics are frequently recommended for natural gas screw compressors because they are believed to be less susceptible to dilution by natural gas; however, their cost is quite high. HDAX NG Screw Compressor Oils are formulated to provide effective lubrication of natural gas screw compressors, but with a hydroprocessed mineral oil lubricant.

HDAX NG Screw Compressor Oils are recommended for use in screw compressors of all major natural gas compressor manufacturers, including Frick, Howden, FES, Mycom, and Ariel.

**ISO 68** is recommended

- when ambient startup temperatures are very low
- where dilution is minimal
- for higher speed operations

**ISO 100** is recommended

- when ambient startup temperatures are moderate
- where dilution is significant

**ISO 150** is recommended

- when startup temperatures are moderate to high
- where dilution by liquid hydrocarbons is significant

**TYPICAL TEST DATA**

<b>ISO Grade</b>	<b>68</b>	<b>100</b>	<b>150</b>
<i>Product Number</i>	<i>255204</i>	<i>259135</i>	<i>255205</i>
<i>MSDS Number</i>	<i>6852</i>	<i>6852</i>	<i>6852</i>
API Gravity	31.1	30.1	29.7
Viscosity, Kinematic cSt at 40°C cSt at 100°C	65 10.4	95 14.6	143 18.9
Viscosity, Saybolt SUS at 100°F SUS at 210°F	330 62	485 77	736 96
Viscosity Index	150	150	150
Flash Point, °C(°F)	236(457)	246(475)	256(493)
Pour Point, °C(°F)*	-44(-47)	-37(-35)	-32(-26)
Rust Preventive Test Procedure B, Synthetic Sea Water	Pass	Pass	Pass
Four-Ball Wear Scar Diameter, mm	0.5	0.5	0.5
Copper Strip Test 3 h at 121°C	1a	1a	1a

Minor variations in product typical test data are to be expected in normal manufacturing.

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