



CHEVRON CYLINDER OIL W

220, 460, 680

PRODUCT DESCRIPTION

Chevron Cylinder Oils W are recommended for lubrication of compressor cylinders and sliding worm gear surfaces in worm drive gear cases.

CUSTOMER BENEFITS

Chevron Cylinder Oils W deliver value through:

- **Excellent metal wettability** and high film strength for any moisture condition.
- **Versatility** — Three viscosity grades available to cover the range of steam pressures and temperatures found in industry.
- **Minimized inventory** — Can be used as worm gear lubricants. Meets AGMA compounded lubricant specifications.

FEATURES

Chevron Cylinder Oils W are designed to meet the needs of emulsifying cylinder oils.

Chevron Cylinder Oils W help provide excellent metal wettability. The combination of oil emulsibility and metal wetting characteristics result in minimum oil consumption rates and maximum oil lubricity in the presence of wet steam or water.

The metal wetting helps ensure an effective lubricant film on the cylinder walls and pistons of steam pump, and also provides the oiliness properties which are extremely important in lubricating the sliding worm gear surfaces in worm drive gear cases.

APPLICATIONS

Compressor manufacturers often recommend cylinder oils for compressor cylinder lubrication. The oiliness of Chevron Cylinder Oils W promotes a metal wetting characteristic that resists the washing action of water and maintains a tenacious oil film on the surface of the compressor cylinder. The low viscosity of Chevron Cylinder Oil W 220 makes it suitable for this application in colder climates.

Chevron Cylinder Oil W 460 is recommended for moderate service applications where steam pressures will not exceed 150 psi and temperatures vary between 171°C to 204°C (340°F to 400°F).

Chevron Cylinder Oil W 680 is a higher viscosity lubricant recommended for steam pressures up to 300 psi and temperatures from 218°C to 302°C (425°F to 575°F).

Chevron Cylinder Oils W are ideal choices for worm gears.

Chevron Cylinder Oils W are recommended for use in underground brine pumps at geothermal power generation facilities.

Chevron Cylinder Oils W 220, 460, and 680 meet the requirements of ANSI/AGMA 9005-E02 for AGMA Lubricant Numbers 5, 7 Compounded, and 8 Compounded, respectively.

Chevron Cylinder Oils W 460 and 680 are registered by **NSF** and are acceptable as lubricants where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

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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TYPICAL TEST DATA

| ISO Grade | 220 | 460 | 680 |
|---|-------------------|------------------------|------------------------|
| <i>Product Number</i> | 230339 | 230330 | 230329 |
| <i>SDS Number</i> | 7673 | 7673 | 7673 |
| AGMA Grade | 5 (Compounded) | 7 Comp (Compounded) | 8 Comp (Compounded) |
| API Gravity | 26.8 | 26.1 | 24.8 |
| Viscosity, Kinematic cSt at 40°C cSt at 100°C | 209 18.5 | 437 30.4 | 646 39.3 |
| Viscosity, Saybolt SUS at 100°F SUS at 210°F | 1103 95 | 2335 149 | 3476 191 |
| Viscosity Index | 98 | 99 | 99 |
| Flash Point, °C(°F) | 288(550) | 308(586) | 316(601) |
| Pour Point, °C(°F) | -12(10) | -9(16) | -8(18) |

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

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.

