



## 76 Marok®

76 Lubricants Marok is a high-quality, adhesive, extreme-pressure lubricant specifically developed to lubricate in the presence of moisture. It is recommended for the lubrication of marine and industrial equipment operating in wet environments, for use as a cylinder lubricant in steam engines or gas compressors where moisture is present, and for the lubrication of air-powered tools such as rock drills and jackhammers.

Marok is available in four viscosity grades: ISO 68, 100, 150 and 220. It is formulated with high-quality naphthenic base oils and a carefully balanced additive package that provides mild extreme-pressure (EP) properties, adhesiveness in the presence of moisture, and protection against rust and corrosion under wet operating conditions. It has good load-carrying capacity to protect against wear and seizure of sliding metal surfaces under heavy or shock-load conditions. It has excellent adhesiveness to metal surfaces in the presence of moisture to resist dripping and leakage, which is especially useful in applications where bearing clearances are large or seals are inadequate. An odor-masking agent helps reduce objectionable odors when used in pneumatic equipment operating in poorly ventilated areas.

### **Applications**

- Marine applications, such as steam engines, crosshead engines, stern tubes and oil-lubricated tunnel bearings
- Pneumatic equipment, such as jackhammers, pavement breakers and rock drills
- Slideways on machine tools, such as boring machines, grinders, milling machines and planers
- Overhead conveyors where a non-drip lubricant is required
- Enclosed industrial gearboxes where leakage is a problem
- Natural gas compressors handling "wet" gas (gas containing water or liquid petroleum hydrocarbons)

Marok meets the performance requirements of:

- Chicago Pneumatic Rock Drill Oil
- Gardner-Denver Rock Drill Oil
- Ingersoll-Rand Rock Drill Oil

**Adhesive Marine  
And Rock Drill Oil**

**Customer Service  
Number:  
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1-800-435-7761**

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### Features/Benefits

- Good extreme-pressure properties
- Protects against wear and seizure
- Excellent adhesiveness to metal surfaces in the presence of moisture
- Resists dripping and leakage
- Protects against rust and corrosion
- Low odor

### 76 Marok®

Typical Properties				
ISO Grade	68	100	150	220
Density, g/cm <sup>3</sup> @ 15.6°C (60°F)	0.916	0.922	0.926	0.932
Density, lbs/gal @ 15.6°C (60°F)	7.63	7.68	7.71	7.76
Color, ASTM D1500	7.0	7.0	D 8.0	D 8.0
Flash Point (COC), °C (°F)	188 (370)	190 (374)	194 (381)	200 (392)
Pour Point, °C (°F)	-24 (-11)	-19 (-2)	-16 (3)	-12 (10)
Viscosity,				
cSt @ 40°C	68.0	100	150	220
cSt @ 100°C	7.7	9.2	11.4	14.2
SUS @ 100°F	356	530	803	1,189
SUS @ 210°F	52.1	57.4	65.6	76.7
Viscosity Index	68	50	41	38
Acid Number, ASTM D974, mg KOH/g	0.6	0.6	0.6	0.6
Carbon Residue, Rams ASTM D524, wt %	0.12	0.10	0.16	0.19
Falex EP Load, ASTM D3233, lbf	900	900	900	900

### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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