



Mobilarma™ 524

Mobil Industrial , Peru

Rust Preventives

Product Description

Mobilarma 524 is a premium performance product primarily intended as run-in or lay-up lubricant, which provide effective rust preventive films on the internal surface of machinery. It is particularly suitable as run-in lubricant for diesel and gasoline engines. The oil displaces water from metal surfaces and forms strong water-resistant films on the metal surfaces to prevent rust and corrosion.

Mobilarma 524 absorbs the water in systems into a water-in-oil emulsion so that the contact surfaces of the machinery still get satisfactory lubrication. Its high thermal stability and its anti-wear and detergent properties make it suitable as a high quality short-term lubricant.

In most applications, the residual rust preventive films need not be flushed away when the assembly is filled with lubricating oil or hydraulic fluid and put back in service. However, flushing with a charge of lubricating oil to remove the Mobilarma product or its residual film, is recommended if:

1. Mobilarma 524 does not provide the required lubricant characteristics to operate the equipment at rated loads and temperatures
2. Draining of the equipment is difficult and considerable pockets of Mobilarma 524 cannot be easily removed
3. Contamination of the system oil by Mobilarma 524 could reduce the lubrication performance characteristics (examples; Mobilarma 524 could increase Freon points in compressors or water-in-oil emulsions reduce anti-wear characteristics in high pressure hydraulic systems)
4. Presence of the rust preventive agents reduces the ability of the new oil to separate water in turbine and similar equipment.

Features and Benefits

Mobilarma 524 provides an excellent lubricant that also acts as a rust preventive. This allows safe lay-up of equipment that will not be used immediately but is operated intermittently at low to moderate loads for short periods of time.

This product provides excellent rust preventive performance reducing any potential damage that could otherwise occur in non-operating equipment. This saves cost and potential rigorous flushing procedures prior to placing the equipment back in service.

Features	Advantages and Potential Benefits
Excellent Rust and Corrosion Protection	High level protection against rust during seasonal lay-ups Reduced clean-up time required to place equipment back in production.
Effective Anti-Wear Properties	Protects equipment against wear
Dual Purpose Lubricant/Rust-Preventive Nature	Reduced costs and time for run-in, testing or adjustment procedures Eliminates unnecessary flushing and draining

Applications

Protection of equipment during storage or while temporarily out of service

Properties and Specifications

Property	
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	90.1
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	10.5
API Gravity, °API, ASTM D287	28.5
Density 15.6 C, lb/gal, CALCULATED	7.35

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.as>

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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 properties may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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