

Mobilarma 524

Rust Protection Lubricants

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 surfaces of machinery. It is particularly suitable as run-in lubricant for diesel and gasoline engines. The oil displaces water from metal surfaces and form 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 level of chemical stability and its anti-wear and detergent properties makes 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 cloud 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 & 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 may be 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 clean-up 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 into production Displaces water from metal surfaces and form tenacious protective films
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 steps



Applications

- Run-in oil and lay-up oil for engines and industrial equipment
- Turbines that will be out of service for long periods
- Hydraulic systems where water is present and the formation of emulsions will not effect operation
- Test calibration oil

Typical Properties

Mobilarma 524	
Viscosity, ASTM D 445	
cSt @ 40°C	88.4
cSt @ 100°C	10.5
Viscosity Index, ASTM D 2270	
95	
Pour Point, °C, ASTM D 97, max	
-18	
Flash Point, °C, ASTM D 92, min	
218	
Density @ 15.6°C, Calculated, kg/l	
0.882	

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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