

ExxonMobil Mobilarma 525

Category : Fluid , Lubricant

Material Notes:

Mobilarma 500 Series oils are premium performance products primarily intended as run-in or lay-up lubricants, which provide effective rust preventive films on the internal surfaces of machinery. They are particularly suitable as run-in lubricants for diesel and gasoline engines. The oils displace water from metal surfaces and form strong water-resistant films on the metal surfaces to prevent rust and corrosion. The Mobilarma Series oils absorb the water in systems into a water-in-oil emulsion so that the contact surfaces of the machinery still get satisfactory lubrication. Their high level of chemical stability and their anti-wear and detergent properties make them suitable as high quality short-term lubricants. 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. The Mobilarma 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 the Mobilarma cannot be easily removed; 3. Contamination of the system oil by the Mobilarma could reduce the lubrication performance characteristics (examples; Mobilarma 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. 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

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Physical Properties	Metric	English	Comments
Density	0.878 g/cc	0.0317 lb/in ³	
	@Temperature 15.6 °C	@Temperature 60.1 °F	
Viscosity Measurement	100	100	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	53.5 cSt	53.5 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	8.7 cSt	8.7 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	<= -36.0 °C	<= -32.8 °F	
Flash Point	>= 198 °C	>= 388 °F	ASTM D92

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