



APPLICATION AND DIRECTIONS FOR MILITEC-1 INDUSTRIAL / TRANSPORTATION

MILITEC-1 can be used with petroleum, mineral, parasyntetic and synthetic oils and greases in the following applications and ratios for heavy equipment:

Diesel and Petrol Engines: Add 60ml per litre of engine oil every 24,000 KM or 500 operational hours. Add **MILITEC-1** every 1,000 hours of operation if the oil is not changed. Oil change and **MILITEC-1** intervals can be extended if the recommended time for oil analyses indicate conditions "normal."

Transmissions (Manual): Add 60ml per litre of fluid every 1,000 hours of operation or 48,000 KM.

Transmissions (Automatic): Add 30ml per litre of fluid every 1,000 hours of operation or 48,000 KM.

Differentials: Add 30ml per litre of oil every 1,000 hours of operation or 48,000 KM.

Power Steering: Add 30ml per litre of fluid every 1,000 hours of operation or 48,000 KM.

Wheel Bearings: Coat metal surface's with thin film of **MILITEC-1** before packing with grease, containing 10% to 15% **MILITEC-1** or use **MILITEC-1** Grease.

Gearboxes, Fluid Drivers, Speed Reducers: Add 60ml per litre of primary lubricant every 1,000 hours of operation or 48,000 KM. For large sumps with extra large oil reservoirs and oil coolers, add 30ml per litre every 1,500 hours of operation.

Air Compressors: Add 90ml per litre of primary lubricant for the first 1,000 operational hours. Subsequent applications, add 30ml per litre of primary lubricant. Apply each oil change or every 1,000 hours whichever is greater, not to exceed 1,500 operational hours.

Refrigeration, Air Conditioners: Add 7.5ml per ton of refrigeration capacity.

Hydraulics: Add 250ml to every 19 litres of hydraulic fluid every 1,000 hours of operation.

Metal Working Applications: Apply a film to all metal working surface zones.

Soluble Oil Fluids: Add 10% to fluid; top off fluid ratios add 5%.

Chains, Couplers: Apply a film to all metal working surface areas.

NOTE: It is important to document (written test results) **MILITEC-1 treated and un-treated equipment to verify the testing baseline and the initial benefits of **MILITEC-1** and the long-term benefits over time. Test conditions: temperature (oil, water, cylinder head, exhaust, etc.), noise, RPM's (load, no-load vs. horsepower, MPH) vibration, wear metals, fuel and electrical consumption are the testing baseline. For additional heat readings, use a digital heat gun to verify temperature readings for all areas of the treated mechanical components (top, bottom, sides, etc.) Application, frequency, and ratios can be timed accordingly.**

Important

- 1) When using Militec-1 in automotive applications it is important to ensure that it will be used in standard production vehicles only. It can be used in any piston engine, but if the application is for non-standard transmissions, the details of the transmission design should notified to Tritus Pty Ltd for approval before use.
 - 2) Before using Militec-1 in non standard transmissions having components that depend upon centrifugal forces to develop metal to metal-to-metal friction couplings, special instructions have to be observed. Please refer to Tritus Pty Ltd.
 - 3) Militec-1 is not recommended for use in turbines
 - 4) Militec-1 must not be used in conjunction with polycarbonate products as in rotary engine
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