

MILITEC-1[®]

MILITEC, INCORPORATED

TECHNICAL BULLETIN ON MILITEC-1 FOR HYDRAULIC SYSTEMS

April 4, 2002

In a verbal report from the Fleet Manager of Elmira, NY, a small city with about 35,000 residents, it was learned that they have been able to extend the life of the hydraulic pumps in their 3 sanitation “packers”. These are the big trucks that circulate around the city picking up trash.

Prior to the application of MILITEC-1, all three of these trucks had exhibited the same problem with their hydraulic systems. All were operating at such a high temperature that touching a finger to the outside of the hydraulic oil tank would result in a burn. The hydraulic pumps were wearing out and breaking down in 8-9 months. The replacements each cost \$500 plus labor, plus downtime, plus new hydraulic oil. The pumps could fail at any time and they often failed at inopportune times, thus creating more of a burden.

Two gallons of MILITEC-1 were added to a reservoir of 275 gallons of hydraulic oil which was the amount needed for all 3 trucks combined. Thus the ratio of MILITEC-1 to the hydraulic oil was 9.3 ounces per ten gallons.

They immediately found a significant decrease in the temperature of the hydraulic oil tanks. Instead of burning skin upon touching the tank, they could place a hand against the wall of the tank and leave it there without getting burned. It was still hot, but not to the same degree.

Twenty-four months later, they still had all 3 pumps operating without failure. At this point, they changed the hydraulic oil, added another application of MILITEC-1 at the same ratio, and now, some months into this oil interval, the pumps are still operating without failure. Also, the temperature of the tanks continues to be low enough that a hand can be placed on the tank without getting burned.

While the Fleet Manager uses MILITEC-1 in many of the city’s vehicles to benefit their engines, transmissions, differentials, etc., and has about 11 years of experience with MILITEC-1 and has seen many of its benefits, he found the experience with the hydraulic oil most telling. He added that in all the years of using MILITEC-1, he has never seen any detrimental effects.