

QUALITY COMPRESSOR

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Subject: Test and evaluation of Militec-1 for air compressor usage.

The information collected during the test was performed on a Gardner Denver rotary air compressor (Model EDEQJ 50 - horsepower)

The compressor had been in service approximately one year and had accumulated 2235 hours of running time.

Quality Compressor installed this unit for a customer and has maintained it since new. We at Quality Compressor feel the equipment is in excellent running order.

The lubrication used in the compressor is 30 WT. - GD 800 as per manufacturers specifications. The capacity of the unit is seven gallons.

The two tests were performed on the compressor in a full load condition at running operating temperatures. The oil temperature is the same in both tests due to thermostatic control thru the factory equipped oil cooler. Prior to the addition of Militec-1 Metal Condition I recorded the amperage draw (125 amps) which directly reflects the power used to operate the unit in the full load condition. The machine was then shut down and the air released from the system at which time Militec-1 was added to the oil reservoir at the ratio of 4 oz. per quart. The machine was then restarted and put into a full load condition to bring the operating temperature back to normal. Within two to three minutes the amperage was showing a decrease. After twelve minutes of operation the amperage leveled off at 105 amps.

This clearly points to a decrease in operating friction with a direct cost savings reflected not only in utilities, but in friction, which translate directly to wear.

My customer is extremely pleased with the results and agrees that the utility savings alone will pay for the additive several times.

Test #1

*Amps. 125
Temperature 140°F*

Test #2

*Amps. 105
Temperature 140°F**

**Oil is temperature controlled*

The figures reflect a 16 % savings on utilities which would factor a savings over \$ 100.00 per month in this application.

I am pleased with the performance of Militec and look forward to servicing my customers with a product that notably benefits their equipment. With the introduction of Militec into our service program we are a step ahead of our competitors with modern synthetic lubricants for compressor applications. This is a position that we enjoy and hope to continue.

Martin Guffy
Quality Compressor