

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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Ilion, New York
April 21, 1978

TO: C. B. WORKMAN
R. L. SASSONE

FROM: W. M. CURRY

SUMMATION OF TRI-FLON LUBE TEST

Tri-Flon synthesized lubricant with Teflon particles has been tested for corrosion inhibition and qualities of lubricity in both actual use and in corrosion test conditions.

Tri-Flon was compared for corrosion resistance on mild steel plate against WD-40, LPS1 and Keystone #2 oil. Tests consisted of 24 hour period in the salt spray booth for a total of two separate comparative tests. Tri-Flon did as well as the other tested lubricants but not the dazzling performance suggested by its makers.

Over a five month period Tri-Flon has been tested as applications became available. Tri-Flon as a friction reducing lubricant performs well on gun components and light rotating machinery, but it does tend to be slightly gummy, making it less desirable on instrumentation and very small mechanical movements.

This writer believes Tri-Flon, while a good lubricant (like light oil) and corrosion inhibitor, is too expensive to justify use in any standard plant applications. The general consensus is - "It's good, but doesn't surpass the performance of the much less expensive product" in the application tested.

The technical specifications of the product are from tests made at Fort Belvoir, Va in 1971; however, the U.S. Army Weapons Command, supposed tester, does not reside at Fort Belvoir, VA and I can find no proof they ever did. The technical specifications herein are very questionable as to accuracy.

As of April 14, 1978 the Tri-Flon Company, when questioned about some of the suggested uses of the product and certain specifications in their advertising literature, admitted there were errors in these publications. This information was obtained from the Tri-Flon Company only after extensive questioning, and not on a voluntary basis from the vendor.

All things considered Tri-Flon is a product we probably can live without.

WMC:T
Ilion Research Division