



new European Community specifications demonstrate that the 8% to 10% figure quoted earlier is attainable.

Developed in the United Kingdom as the result of a private sector venture linked to some of that country's major research organizations, FX 1 has gone through a rigorous five year test program before being brought to the market. This program utilized the expertise and the clinically precise and objective testing facilities of the British Department of Trade and Industries Warren Spring Laboratory, the National Centre of Tribology, and the British Internal Combustion Engine Research Institute.

Their tests documented the following:

- In gas and diesel engines, fuel consumption was reduced by a minimum of 6%, with many test vehicles reaching savings beyond 20%; an average increase in power of 3.8% peaking at 9.5%; reductions in noxious emissions of up to 21% and 21.5%; and engine compression tests resulting in a mean increase of 16.7%.

- In compressors, motors and pumps, use of FX 1 has allowed documented power savings of up to 28%. In air conditioning

and refrigeration equipment it countered the high loading in Freon compressors from fast start to continuous operation and safeguarded the systems against wear.

- In the manufacturing sector FX 1 was used in machine tools and applied heat on cutting tools or added in the usual blend of 5% to the existing lubricant. Its use allowed for an increase in tool life ranging from a base minimum 20% to beyond 100%. Accuracy, finish and production rates were greatly improved. Reported case histories have documented an overall increase in productivity of more than 50%. Applications of FX 1 have allowed for the alternative use of carbon steel tools in place of expensive carbide and likewise carbide in place of diamond impregnated tools.

Over the past 18 months the testing program has been expanded to include many more countries. These tests have shown that heavy equipment and plant machinery treated with the product, work to such performance levels that scheduled maintenance programs have been dramatically reduced, together with drastic cuts in power consumption. Used with standard lubricants, FX 1 has shown up to 28% electrical savings, particularly

in compressors, motors and pumps which were cited by the UK Department of Energy and the Institute of Mechanical Engineers when promoting energy savings to industry. However, the results in the marine sector have been the most spectacular. The Icelandic fishing fleet is now officially recording savings on lubricating oils of up to 50% on a constant basis. Fuel savings on tests in 1991 were roughly 16%, but recent reports document savings of up to 26%. FX 1 has also been used to flush out a ship's main engine after salt water contamination. A university research department, looking to reduce viscous drag in liquid and gas pipelines, found 15-20% savings after treating the interior walls with FX 1. The formula turns plain or salinated water into an effective lubricant and has restarted failed water pumps in cooling systems. Two points must be made: firstly, the product allows equipment to perform better as time passes and as additional treatments are made and, secondly, FX 1 works particularly well on older equipment.

The Canadian test program began in May of this year with various federal, provincial and municipal governments

## MITCHELL, BARDYN & ZALUCKY BARRISTERS & SOLICITORS

Raymond W. Mitchell, Q.C.

I. Walter Bardyn

L. Eugene Zalucky

Walter G. Kuplowsky

Stefan D. Bojeczko

Victor L. Lishchyna

Michael R. Figol

William B. Zyla

James Z. Hunter

Peter J. Krochak

3029 BLOOR STREET WEST, SUITE 200, TORONTO, ONTARIO M8X 1C5

Telephone (416) 234-9111

Telefax (416) 234-9114

ASSOCIATED OFFICES IN KYIV & LVIV, UKRAINE