

TSK Special Forces

To Mr. O. B. Lewis New York

From Earl Bartholomew Detroit

Subject Request for TEL October 1, 1946
Nostrip Division
Maguire Industries, Inc. File D 198.90
132.4010

Dr. Calingaert has passed along to me your memorandum of September 26 on the above subject.

In connection with their investigation of the relation of tetraethyllead to lubricating oil performance, the Laboratories have done a certain amount of work in which tetraethyllead was added directly to the lubricating oil. The results form a complex pattern, which depends, among other things, on the type of lubricating oil and the composition of the engine bearings. Inasmuch as the whole subject of the effect of tetraethyllead on lubricating oil is a controversial one which regularly brings us into discussion and cooperative research with the oil companies, we should not be inclined to pass any of the story along to an unknown company unless there should be compelling reasons for doing so.

It might be pointed out that much of the experimental work on lubricating oils in engines is now carried out at temperatures of 300° F. or even higher. Under such conditions the addition of tetraethyllead to the oil may lead to considerable health hazard unless proper precautions are taken to prevent the escape of vapors from the crankcase into the surrounding atmosphere.

In view of the circumstances, it seems that it might be worth while for one of the people in the New York division to call on the Nostrip Division for a discussion of the matter.

(signed) Earl Bartholomew

EB.p
CC: Dr. George Calingaert
Mr. C. D. Hawley
Dr. R. A. Kehoe