

CC: Mr. A. E. Mittnacht

✓ Dr. Robert Kehoe
College of Medicine
University of Cincinnati
Cincinnati, Ohio

September 17, 1930

Mr. Harry Mack
Ethyl Gasoline Corporation
Dayton Industries Building
Third & Ludlow Streets
Dayton, Ohio

Dear Harry:

In connection to the use of tank cars for the transportation of ETHYL Fluid, the problem of keeping these tanks in a clean condition, free from sludge, scale, and sediment, is being carefully studied. Equipment has been designed and is being installed here at the plant for proper inspection and drainage of any residual material from returned cars, and means are being provided for suitable washing equipment for cleaning the interior of the tanks, in the event of any accumulations of sludge or scale.

However, the item of tank car cleaning will be relatively expensive on account of the materials and labor necessary to perform this work. It is felt that an endeavor should be made at the refineries to curb the tendency of sludge accumulation and to minimize the cost and hazard of frequent complete cleaning at the plant.

If, after the discharge of ETHYL Fluid from the tank car to the storage scale tank at the refineries, the valve leading to the storage tank is closed and the car and line is completely swept with gasoline, it is felt that the desired results will be attained, and frequent cleaning at the plant substantially reduced. There are probably many ways of accomplishing the gasoline cleaning process which may be worked out to the satisfaction of the individual refinery managements. One method that suggested itself is to discharge gasoline from the storage tank to the tank car, and thence in turn from the tank car directly through the eductor after closing the valve to the ETHYL Fluid storage tank and then returning the slightly colored gasoline by means of a pump again to storage. In any event, care should be exercised to sweep the car as clean of residual gasoline as possible and all valves on tank car closed, and dome cover locked in place; also, proper placards should be applied to tank car for its return movement.

As a double check, equipment at the plant will be used to insure complete withdrawal of the last traces of residual liquid prior to reloading with ETHYL Fluid. We would greatly appreciate it if you would develop this situation and forward your comments as to the reception of the suggestion by the refineries, together with the adopted procedure, at your convenience.

With best wishes, I remain

N 5575

Yours very truly

KE 0000769