

July 24, 1926.

Mr. E. W. Webb,
c/o The Ethyl Gasoline Corp.,
25 Broadway,
New York, N.Y.

My dear Mr. Webb:

What follows is a general outline of the discussion and results at the meeting of Inspectors and Medical Department in my office, Wednesday, July 21st.

The first discussion centered on the inadequacy of our present mixing systems, it being pointed out by numerous ones present and agreed upon by all, that the worst of our difficulties has been associated with the use of the mixing pump, that it is an ineffective piece of equipment, and utterly unsatisfactory; and that it must be abolished at the earliest possible time.

From the above conclusions it was agreed upon that at the earliest possible moment we shall adopt a type mixing system which does not require the use of such pump. Two types of mixing systems were presented and discussed. The one, by Mr. Walter, employing the use of an Eductor for sucking the fluid out of the drums into the gasoline line. The other was presented by Mr. Harding and representative in the field by two installations, being somewhat similar system, but dependant upon suction made by the large gasoline pump, emptying the drum by means of the suction produced by hooking the Ethyl Fluid line into the suction side of the pump.

A discussion was had as to the merits and demerits of these two systems, and it was agreed upon after a discussion by Mr. Walter, Mr. Harding, Mr. Midgely, Mr. Maxwell and Dr. Edgar, that for the following reasons the eductor type of system is the most desirable.

In as much as three representatives of the Indiana Company were present at the meeting, feasibility of abolishing their systems of the old type, and employing the new type was discussed with them, and it was agreed upon that Mr. Maxwell on his trip to Chicago

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the earliest possible time.

Tank Car Filling.

The eductor system with some modifications being installed for tank car filling gasoline installations it was agreed upon that tank car filling systems should be, at the earliest possible time, abandoned, and that in the case of the new customers of the Ethyl Gasoline Corporation it should be insisted upon that the bulk-ing system by means of the eductor should be installed. Plans were made for the inspection staff. Mr. Maxwell and Mr. Midgely to go to Dayton in the afternoon and at the earliest possible time draw up blue prints and specifications agreed upon at our meeting, and cover all points for the setting up of an ideal system.

It was decided that the inspection staff should be given copies of these blue prints together with the specifications, and that no significant changes in blue prints or specifications may be made by any individual inspector at any point without the matter having been re-opened and re-discussed.

Mr. Walter presented a diagram of a measuring device which would make use of certain parts of our present metering device, and which would allow the installation of tank car filling equipment using the eductor to suck out the fluid, and the measuring device as a means of measuring small quantities of Ethyl Fluid. This plan which seemed quite possible was agreed upon as being a very great improvement in all probability over our present pumping devices. It is understood that one of these systems is to be installed in an experimental set up at a selected point, under the direction of Mr. Walter and to be tested for its adequacy and inadequate to be used generally where tank car filling installations are necessary.

Platform, etc.

A discussion was had as to the type of platform, and of other matters of the equipment, and it was agreed upon that three sets of specifications be blue printed, that the customers be advised and encouraged by the Ethyl Gasoline Inspector to select the first of these as being the most desirable, but that he be given his option or choice of any one of the three sets. (I am enclosing herewith a copy of the three sets of specifications as outlined.)

Concerning Precautions against Freezing.

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It is agreed upon that it is necessary to provide a means for preventing freezing of Ethyl Fluid. Experiments are now under way in Dr. Edgar's laboratory to determine which of several methods is the best for this purpose. Dr. Edgar discussed these methods and pointed out that it is quite likely that it will be unnecessary to make a special fluid for cold weather, and that it is undesirable to have more than one type of Fluid on the market at one time, if it is at all possible to prevent this.

It was suggested that it might be possible to ship drums half filled with Ethyl Fluid, these to be filled at the Refinery with an equal volume of gasoline, the resultant mixture being proof against freezing. A decision on this point could not be reached without further experimentation and this matter is held in abeyance for the time being.

General Information.

Questions were asked of all inspectors as to the location of any old bulk mixing meters, as to the location of any quantity of old Fluid, whether in drums or methylliters. A report was made to the effect that these matters are either in the process of being taken care of at the present time, or have been taken care of.

A number of other small items of instruction to inspectors for caring for present leaks, or unusual situations so as to clean up the field in good condition and a brief talk by Dr. Kehoe instructing the inspectors as to the most meticulous care in to the letter our rules and regulations, completed the meeting. It was pointed out that the safety of all men employed in mixing Ethyl Fluid with gasoline depends upon strict carrying out of all rules and regulations and that it is the duty of the Ethyl Gasoline Inspector to see that none of these rules are disregarded.

There was discussion on all of the above points of the program. Every one present was given opportunity to present his views, suggest any changes, and to defend his own point of view in every way. It is my feeling that this conference has done more to clear the way and give us a uniform program for handling the mixing of Ethyl Fluid with gasoline than have all of our written instructions and individual conferences. I am very happy over the outcome of the conference, and I feel that our troubles so far as a lack of uniformity of instructions and operation are concerned are now over.

I hope that you will see that the results which have been obtained, justify the loss of time and expenditure which was occasioned by calling this conference.

With kindest regards,

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