

DAVIS EMERGENCY EQUIPMENT COMPANY

REF 0022455

N22523

Dr. Willard Mackle
Ethyl Gasoline Corporation
c/o University of Cincinnati
Cincinnati, Ohio

My dear Dr. Mackle:

I was both sorry and disturbed to learn that the Ethyl Corporation had purchased 22 competitive hose masks on your recommendation.

When we were discussing hose masks when I called on you in Cincinnati, I believe I told you that we were coming out with a new face piece which would overcome the objection which you had to the older type with the offset, which you felt pressed into the forehead.

I certainly wish we might have had an opportunity to submit this face piece for your consideration before the order had been placed.

I believe you would have been in accord with certain features of our face piece had you seen it.

- 1 - The use of flat laminated lenses, obviating the distortion which is inherent in a curved laminated lens, which has not been reground to true optical neutrality after the bending operation.
- 2 - The use of laminated lenses which will pass the Government test of boiling in water without separating.

The Government has found that lenses which would not stand the boiling test would separate out in moist atmospheres

- 3 - The long service life obtained from the special red D rubber compound makes for economy.

In addition to this, actual tests run at Columbia University prove the greater efficiency of the old Davis hose mask system in the delivery of a greater amount of air into the face piece at corresponding speeds of the blower crank handle.

Furthermore, we were the first to introduce the use of a Neoprene outer coating of the hose to materially reduce the

0022456

KE

have mentioned above, which I am sure you will find greatly to the advantage of the Ethyl Corporation in the ease of breathing, less effort on the blower, lesser penetration of the hose, and the long service life of the rubber compound.

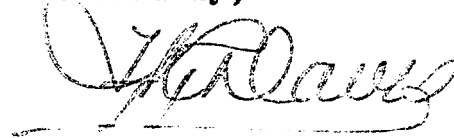
Our old hose of oil resistant compound had a service life of 26 hours under Bureau of Mines test as against 16 and 13 hours for other hose mask hose on the market.

This new Neoprene outer coated hose runs better than 39 hours, as per chart I sent you.

How may we have the opportunity of convincing you of the greater all around usefulness of our hose masks.

With kind personal regards, I am,

Cordially,

A handwritten signature in dark ink, appearing to read "J. H. Davis", written over a horizontal line.

FRD:GS

RE. 0022457