

CHAS. PFIZER & CO., INC.

ESTABLISHED 1849

Manufacturing Chemists

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November 2, 1961

Monsanto Chemical Company
Organic Chemicals Division
Functional Fluid Sales
Box 478
St. Louis 1, Missouri

Gentlemen:

RE: Pydraul AC

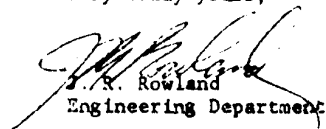
We have an installation of ten (10) Chicago Pneumatic Air Compressors, which are their model 34½ x 34½ x 27" O.D.E. Each compressor is a single stage unit discharging at approximately 40 psig, having a capacity of 8100 scfm. These units are used to supply air for antibiotic production through fermentation. We are considering the use of your Pydraul AC lubricant on these compressors due to the fine results reported by our Vigo plant, which now uses this lubrication on compressors in similar service. However, in considering this, we need information which is not contained in the bulletins describing this material.

First, we are wondering what your comments would be on the use of this material as a cylinder lubricant only, while using a petroleum product for crank case lubrication. The reason we would want to do this is that it would be difficult to obtain the shutdown time necessary to remove all the paint from compressor crank cases, as we understand would be necessary in this case. We believe that, if we do this, there would be a small amount of contamination from the cylinders into the crank case, even though the area around the piston rod is open. It would, therefore, be necessary

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to know whether small amounts of Pydraul AC would be compatible with our present crank case lubrication which is Gulf Harmony 69. Secondly, we would like to know the exact nature of the toxic breakdown product which has been referred to in literature concerning this material. We are particularly interested in this because it is our understanding that this material will not support bacterial growth. If this is true, it would possibly be the main reason for our use of the material in our plant, as our Fermentation people are particularly interested in eliminating this contamination of filters and tanks with lubricating oil carryover.

Very truly yours,



J. R. Rowland
Engineering Department

JRR:all