bcc: Roger Hatton St. Louis
Geo. Fague St. Louis
D. L. Mellon Akron

December 20, 1973

Mr. Dick Pickens
TIMKEN COMPANY
Dueber Avenue
Canton, Ohio

Dear Dick:

Confirming our phone conversation of December 18, 1973, I have attached data comparing Pydraul 312, 312A, 312C, and 65E in an oxidation-corrosion test 791-3508 Method. This data shows that Monsanto has maintained consistance of fluids during the removal of the chlorinated portions changing to phosphate esters.

Dick, I am looking forward to discussing this data with you on January 4, 1974. If I can be of assistance prior to my visit, please contact me at (216) 666-4111.

Very truly yours,

CFS:hm
encl:
cc: Mr. Joseph R. Menster
Purchasing
Timken Company
Dueber Avenue
Canton, Ohio

C.F. Seger
Sales Representative
Specialty Products Group

bcc: Dick Pickens!data for Fyrtech T-290 in ASTM D-2272 was 15 min. as compared to P-312C at 31 minutes.
C.F.S.

0066181

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Oxidation-Corrosion Test Results

791-3508 Method

250°F. - 168 hr.

Fluid	Pydraul 312	Pydraul 312A	Pydraul 312C	Pydraul 65E
Metal wt. change, mg/cm^2				
Magnesium	-0.01	+0.01	-0.02	+0.04
Aluminum	-0.01	+0.01	0.00	+0.03
Cadmium	-0.05	-0.01	0.00	+0.03
Iron	0.00	+0.02	-0.01	+0.01
Copper	-1.89	-0.04	-0.04	-0.07
Viscosity change at 100%	+36%	+5%	+12%	+5%
Acidity, TAN, initial	0.30	0.04	0.03	0.05
final	1.38	0.40	2.22	0.09

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TOWOLDMON0056360