July 3, 1969

Mr. John Romine
Phillips Petroleum Company
Research & Development Department
Bartlesville, Oklahoma 74003

Dear Mr. Romine:

Mr. Carl Clay of our company asked me to write you concerning the fish toxicity of our chlorobiphenyls (contained in functional fluids). We have tested the following fluids with the indicated results:

Substance	Brown Trout	Bluegill Sunfish
Aroclor 1242	No effect	No effect
Aroclor 1248	No effect	No effect
Aroclor 1254	No effect	No effect
Aroclor 1260	No effect	No effect

Note: The levels used were 5 ppm.

The reason 5 ppm. was used in these standard static fish toxicity tests was because that level is well above the water solubility of any of the substances tested. In short, none of these substances is toxic to the organisms listed at their solubility.

We have never had any fish toxicity difficulties with customers using these products.

If I can be of any further help, please feel free to call.

Sincerely,

Jack T. Garrett
Manager Industrial Hygiene
Medical Department

JTG/ln
cc: Mr. Carl Clay

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