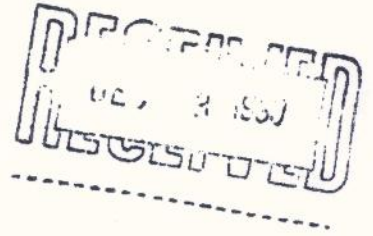


November 29, 1990



CAT



Grant Quarries
390 Eleventh Street, West
P.O. Box 67
Cornwall, Ontario
K6H 5R9

Attention: Aurele Ouellette

SUBJECT: Caterpillar 3508, S/N. 23701942, Lube Oil Filtration
Inquiry

Dear Mr. Ouellette,

With regards to your letter of October 25th, asking about the use of the Kleenoil Filtration system on the above mentioned engine, we offer the following comments.

The filtration system supplied with the engine has been designed by Caterpillar to be sufficient to remove suspended solids from the lube oil adequately under all but extreme circumstances. Therefore, additional filtration systems are invariably considered unnecessary. However, an additional system such as Kleenoil would not be considered harmful unless a failed casing or hose precluded a lube oil related engine failure; in which case warranty would be void. The prolonged cleanliness of the total oil with this system is usually attributable to the extra volume and thus, dilution capacity.

It is gratifying to know that you have an established oil sampling schedule for this engine. Is it S.O.S.? Normally the operating hours between oil samples are dictated by the operational and/or environmental characteristics to which the engine is subjected. If 150 hour intervals give you a good trend analysis for your operation then please continue unless results dictate otherwise. Our only real concern on oil analysis is that the samples are taken correctly; hot and well mixed to ensure the sample is representative of oil circulating through the engine.

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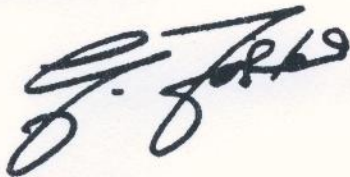
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To re-iterate, we have no objection to your installing a Kleenoil Filter, but any oil related failure that could be attributed to its installation would void any applicable warranty.

Also, schedule oil sampling is an excellent maintenance tool when used for trend analysis purposes and we recommend its use.

Hopefully, this addresses your concerns, but if you have any further questions, please do not hesitate to contact the writer at (416) 667-5753.

Yours truly,
CROTHERS LIMITED



Geoff Foster
Industrial Service Manager
Power Systems

GF/lb