



Mr. Metzker,
ROLF Lubricants GmbH
Hermannstr. 14,
20095 Hamburg,
Germany

22nd November 2019

Dear Mr. Metzker,

I am writing to confirm that in my judgement, **Rolf TDTO SAE 10W, Rolf TDTO SAE 30 and Rolf TDTO SAE 50**, blended with HiTEC® 8888z at a treat rate of 6.5% weight, using good quality base stocks and appropriate viscosity modifiers, are capable of meeting or exceeding the performance requirements of the following specifications:

- ZF TE-ML 03C (SAE 10W & 30 only)
- ZF TE-ML 07D (SAE 30 only)
- ZF TE-ML 07F (SAE 30 only)
- Allison C-4
- API GL-4
- API CF*
- Caterpillar TO-2
- Caterpillar TO-4
- Komatsu KES 07.868.1 (formal approval only to oil suppliers)
- Sperry Vickers/Eaton I-280-S
- Sperry Vickers/Eaton M2950S

* HiTEC® 8888z is not recommended for use in the engine, but this performance demonstration gives the end user confidence that finished fluids using HiTEC® 8888z will not result in any damage to equipment that requires API CF or lower engine performance.

Where applicable, data has been generated on the SAE 10W and SAE 30 formulations, for submission to ZF, in support of the request for formal finished fluid approvals.

This opinion is based on bench, rig and field testing of off-highway fluids blended with HiTEC® 8888z versus the relevant OEM specifications, carried out in-house and at various independent research laboratories. This data is detailed in Afton's HiTEC® 8888z technical report.

Please note, care should be taken to ensure Rolf TDTO SAE 10W, Rolf TDTO SAE 30 and Rolf TDTO SAE 50 meet the relevant viscometric requirements, where applicable, as outlined in the above specifications.

Yours sincerely,

David Thompson
CTS Group Leader - Driveline



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