

**ENGLISH TRANSLATION OF REPORT FROM FRENCH NATIONAL RAILROAD
COMPANY**

(Note: Militec-1 is sold in France under the name "96")

SNCF QUATRE MARES WORKSHOP
TECHNICAL SERVICE

MR. TORCHY

REPORT OF TESTING OF THE
PRODUCT "96" ON ENGINE
AGOV16 ESHR No. 4080

TEST DATE: NOVEMBER 1991

The product "96" was tested on engine AGOV16 No.4080 under the following conditions:

- *engine temperature: oil 70°C*
- *rotation speed: 1230 rpm*
- *power: 3200 hp*
- *test duration: 3 1/2 hours*

A connecting rod was equipped with 8 temperature sensors "templugs" and 4 connecting rod socket pins were also equipped with "templugs".

After inspection of the "templugs", it was determined there was a reduction of the average temperature of these engine parts of 6°C on the connecting rod and 4°C on the socket pins.

It is noteworthy that the temperature of the motor oil reached 75.6°C at the end of the 3 1/2 hours and there was a failure of the water cooling system on the test bench.

Conclusions:

Despite the rise in temperature of the motor oil due to the cooling system failure, it was ascertained there was a drop in average temperature of the engine parts compared with the same test without the product "96".

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Remaining at your service,

*Sincerely,
Torchy*