

SPECO Corporation

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August 17, 1988

MILITEC INC.
990 17th Street N.W.
Suite 1100
Washington, DC 20006

Attention: Brad Giordani

Subject: Initial test results of MILITEC

Dear Brad:

As a follow-up to our telephone conversations over the past several weeks, I am submitting this brief summary of SPECO's results of testing with your product.

It should be noted that the testing being done is very demanding of the lubricant in the gearbox. The gearbox being tested is a differential type planetary with an output speed of less than one RPM. This creates one of the worst combinations possible from a lubrication stand-point in that there is very heavy loads with very little velocity to help generate a lubricant film.

This transmission requires efficiency testing in two moods. The first test is a no-load "free running torque" to determine the amount of power required to turn the unit without a resistant load. The second test is at dynamic efficiency of the transmission.

The units that have been tested have been prepared as follows:

1. Unit was assembled and tested using moly-grease only
2. Units were disassembled and parts coated with MILITEC
3. After parts were dry they were reassembled with grease and retested.

UNIT	NO-LOAD(IN-OZ)		EFFICIENCY	
	BEFORE	AFTER	BEFORE	AFTER
A8	72	30	56.4	59.2
A12	96	35	54.9	59.8
E12	80	37	56.8	59.6

We are expecting to be performing additional testing in October and I will keep you Informed. ([see follow-up letter](#))

SPECO Corporation

March 25, 1989

Militec Inc.
900 17th Street, N.W.
Suite 1100
Washington, DC 20006

Attention: Brad Giordani

Subject: Additional testing of Militec

Dear Brad:

As a follow-up to our recent phone conversations I would like to bring you up to date with SPECO's test results. Since my last letter, there has been very little additional testing performed due to a lack of hardware which was available. My previous letter outlined some testing that involved reworking of inferior gear drives with your product and the results were in my letter of Aug. 17. In our latest test we implemented the use of your product as an assembly fluid to see if the gear drives would run better than their predecessors. It is difficult to say how effective the test was since it is not known how the units would have run if they were not treated but the batch of 6 drives were more consistent in efficiency than previous batches. It should also be noted that of the 32 gear boxes tested to date the four most efficient were among these six.

If we find any other candidates for testing I will be in touch with you with the results.

Sincerely,

/s/

Stephen P. Luchetta
Project Engineer