

R. McClure
R. Burns
J. Kozdron
M. Collins
K. Patel
R. Smith (4)
J. Latsko
ROUTE: MS, JT, TK

AIR FLEX TEST REQUEST

DATE 12/10/1985 REQUESTED BY Jim Latsko

TEST DESCRIPTION NON-ASBESTOS STANDARD COEFFICIENT FRICTION MATERIAL EVALUATION ON A 20CB500 CLUTCH

TEST STAND POCBP PART NUMBER/S

PARTS LIST Y OR Z NUMBER Y0259-13

1.0 PREFACE:

Because of the potential health hazards associated with asbestos, including the possibility of additional government controls and/or regulations, it is desirable to eliminate the use of asbestos in our friction materials.

2.0 OBJECTIVE:

The objective of this test is to qualify non-asbestos friction materials as suitable for normal CB element usage.

3.0 INSTRUCTIONS:

3.1 WEAR IN:

Using a 20CB500 and a new/refinished drum with friction material as specified by the writer, obtain new ambient static torque, and then wear in the friction material at 340 RPM, 150 degrees F drum bulk temperature, 75 PSI effective pressure, per the Basic Inertia Acceleration Standard Procedure #ABCDEJKLQRTU 0062 0000 C.

3.2 PERFORMANCE:

Utilizing the 3.1 procedure, obtain worn-in ambient static torque, and then conduct a 75 PSI/150 degree F drum bulk temperature performance test at 130, 340, 611, 857, and 1200 RPM. Also, after each of the preceding conditions, obtain a static torque data point utilizing the "pullout" test method. Repeat the above testing, but with a 250 degree F drum temperature. Plot average torque versus RPM for both temperatures.

3.3 WEAR:

If the above test results warrant further evaluation, conduct a wear test per the 3.1 procedure, except with a 250 degree F drum temperature.

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