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ROUTE: MS, RR, TK, JT

A I R F L E X T E S T R E Q U E S T

DATE July 15, 1983 REQUESTED BY Jim Latsko

TEST DESCRIPTION NON-ASBESTOS STANDARD COEFFICIENT FRICTION MATERIAL EVALUATION ON 14VC500 CLUTCH

TEST STAND 300HP PART NUMBER/S 42x223 FLOW CONTROL VALVE

PARTS LIST _____ Y OR Z NUMBER Y0259-4

1.0 PREFACE:

Because of the potential health hazards associated with asbestos, including the possibility of additional govenment 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 VC element usage.

3.0 INSTRUCTIONS:

3.1 WEAR IN:

Using a 14VC500 and a new/refinished drum with friction material as specified by the writer, wear in the friction material at 340 RPM, 250°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, conduct performance tests at 150°F, 250°F, 350°F, 450°F, 550°F, and 150°F; however, after each of the preceeding conditions, obtain a static torque data point utilizing the "pullout" test method. Plot average torque versus average drum temperature.

3.3 HIGH ENERGY:

If performance test results warrant further evaluation, conduct a 100 PSI effective flow controlled 4 sec. to 8 sec. (slip time) high energy inertia acceleration (ambient to 100°F starting drum temperature) to 340 RPM, with sufficient accelerations to establish stabilized acceleration characteristics.

3.4 WEAR:

If the above test results warrant further evaluation, conduct a wear test with new friction material and a new/refinished drum per the 3.1 procedure.

Jim Latsko

JL:jo

St. Louis Regional Court Clerk's Office - Case No. 0922-CC08870 - 10/8/2010

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AIRFLEX TEST REQUEST

DATE October 6, 1983 REQUESTED BY J. Latsko

TEST DESCRIPTION FRICTION MATERIAL SCREENING FOR CB APPLICATIONS

TEST STAND FMTM PART NUMBER/S

PARTS LIST Y OR Z NUMBER Y0259-3

1.0 PREFACE:

Because of the potential health hazards associated with asbestos, including the possibility of additional government controls and/or regulations, and including increasing numbers of customer requests for non-asbestos linings, it is desirable/required 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 for normal CB usage.

3.0 INSTRUCTIONS:

Using materials submitted by the writer, perform automatic drum driveline deceleration tests per the following:

Drum test temperatures: 100°F (wear-in thru stabilization), 200°F, 300°F, 400°F, 100°F, 200°F (wear-test).

Drum test speed: 3000 FPM initial velocity.

Test stand inertia: 60 lb.-ft.^{2}

Applied pressure: 75 PSI

Jim Latsko

JL:jo

Barry Inman v. A.W. Chesterton, Inc. et al.
St. Louis City Circuit Court No. 0922-CC09067; 10/8/2010

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AIRFLEX TEST REQUEST

DATE May 10, 1984 REQUESTED BY J. Latsko

TEST DESCRIPTION NON-ASBESTOS FRICTION MATERIAL SCREENING FOR VC APPLICATIONS - STANDARD COEFFICIENT

TEST STAND FMTM PART NUMBER/S

PARTS LIST Y OR Z NUMBER Y0259-5 Rev.

1.0 PREFACE:

Because of the potential health hazards associated with asbestos, including the possibility of additional government controls and/or regulations, and including increasing numbers of customer requests for non-asbestos linings, it is desirable/required 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 for normal VC usage.

3.0 INSTRUCTIONS:

Using materials submitted by the writer, including NAFCO's NF285 (baseline), perform automatic cast iron drum driveline deceleration tests per the following:

Drum test temperatures: 100°F (wear-in thru stabilization), 300°F, 500°F, 700°F, and 100°F.

Drum test speed: 3000 FPM initial velocity.

Test stand inertia: 60 lb.-ft.^{2}

Applied pressure: 75 PSI

Following the above testing, for potentially acceptable materials (including baseline material), conduct wear tests per the above conditions, including all temperatures.

Jim Latsko Jim

JL:jo

Barry Ingan v. A.W. Chesterton, Inc. et al. St. Louis City Circuit Court No. 0922-CC09067; 10/8/2010

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A I R F L E X T E S T R E Q U E S T

DATE October 24, 1984 REQUESTED BY J. Latsko

TEST DESCRIPTION NON-ASBESTOS FRICTION MATERIAL SCREENING FOR CB APPLICATIONS

TEST STAND FMTM PART NUMBER/S

PARTS LIST Y OR Z NUMBER Y0259-3 REV.

1.0 PREFACE:

Because of the potential health hazards associated with asbestos, including the possibility of additional government controls and/or regulations, and including increasing numbers of customer requests for non-asbestos linings, it is desirable/required 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 for normal CB usage.

3.0 INSTRUCTIONS:

Using materials submitted by the writer, perform automatic drum driveline deceleration tests per the following:

Drum test temperatures: 100°F (wear-in thru stabilization), 200°F, 300°F, 400°F, 100°F.

Drum test speed: 3000 FPM initial velocity.

Test stand inertia: 60 lb.-ft.^{2}

Applied pressure: 75 PSI

Following the above testing, for potentially acceptable materials (including NF125 baseline material), conduct wear tests per the above conditions, including all temperatures.

Jim Latsko

JL:jo

Barry Inman v. A.W. Chesterton, Inc. et al. St. Louis City Circuit Court No. 0922-CC09067; 10/8/2010