

FRUEHAUF

ENGINEERING
DETROIT

ISSUED DATE 3-5-73

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FRUEHAUF
ENGINEERING
STANDARDS

F. E. S.
74

SHEET 1 OF 1
CHANGE LTR

TITLE

INERTIA DYNAMOMETER TEST

PURPOSE: TO EVALUATE WEAR AND PERFORMANCE OF LININGS, BRAKES AND BRAKE DRUMS

THE PROCEDURE INCLUDES THE FOLLOWING TESTS;

1. TORQUE OUTPUT AND DECELERATION. (VARIOUS SPEEDS AND BRAKE INPUT).
2. EVALUATION OF LINING LIFE (WEAR TESTS).
3. BRAKE CHARACTERISTICS (FADE AND RECOVERY TESTS, NOISE, CHATTER, GRABBINESS).
4. DRUM EVALUATION (WEAR, HEAT CHECKING, SCORING, WARPAGE AND WHEN REQUESTED, DRUM DEFLECTION).

FOREWARD:

1. THIS TEST PROCEDURE IS OUTLINED AS A FULL AND COMPLETE TEST ON ALL BRAKES. WHEN TYPE SAE-667 EVALUATION ONLY IS WANTED, SECTION III THRU XIX, EXCLUDING SECTION VI, WILL BE SPECIFIED. WHEN FMVSS 121 PROCEDURE IS REQUIRED, SECTION XX ONLY IS TO BE SPECIFIED.

SECTION VI IS TO BE INCLUDED AS PART OF TEST ONLY WHEN SO SPECIFIED BY COMPONENT ENGINEERING GROUP OF DIVISION ENGINEERING WHEN DRUM EVALUATION OR COMPLETE BRAKE EVALUATION IS REQUIRED.

1. GENERAL INSTRUCTIONS:

1. LOG SHEETS ARE TO BE FURNISHED TO THE MACHINE OPERATOR AND HE MUST BE INSTRUCTED IN KEEPING A COMPLETE LOG OF ALL RUNS. IN ADDITION TO THE SPECIFIC DATA RELATING TO THE TEST, THESE LOG SHEETS MUST BEAR TEST ORDER NUMBER, DATE AND AMBIENT TEMPERATURE, AND MUST BE SIGNED BY THE TESTER AT THE END OF HIS RUN.
2. LOG SHEETS MUST ALSO NOTE, AT ALL TIMES DURING THE TEST, SUCH FEATURES AS CHATTER, BRAKE NOISES OR OTHER PECULIARITIES OF PERFORMANCE.



ABEX-136 01

RELEASE NO	DATE	INITIALS	REMARKS	RELEASE NO	DATE	INITIALS	REMARKS
40669	5/2/73	A	REWRITTEN.				
41869	11/26/75	SB	Rewritten				
		C					



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