In re: All Asbestos Litigation Filed by The Simmons Firm, Circuit Court, Third Judicial District, Madison Cty., IL; 8/28/03

EATON

Internal Correspondence

Date: December 3, 1986

To: G. Singh
Galesburg

Copy: W. Hoenes, T. Bruggeman

From: J. Clark - Axle & Brake Division Headquarters-Galesburg

Subject: Non-Asbestos Lining

The attached chart shows the anticipated program and timing required to obtain Engineering release of asbestos lining replacements on Eaton brake products. The length of this program is mandated by:

Major customers reluctant to change to non-asbestos:
Navistar
Freightliner

Military contracts

Severe applications where testing of non-asbestos materials has just been initiated

Significant Eaton facility and manpower requirements

The indicated dates must be considered minimum projections based on available information. Any delay either in approval of new non-asbestos materials, or further customer reluctance will require additional time.

These targets indicate only Eaton Engineering timing. Estimates for customer releases and production order changes are not included.

J. R. Clark

(5317e)

Form F30-23 (Rev. 12-83)

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NON-ASBESTOS IMPLEMENTATION PROGRAM

ASBESTOS LINING	BRAKE/ G.A.W.R.	MAJOR CUSTOMERS	PROPOSED REPLACEMENT	ENGINEERING TESTING REQUIRED 121 DYNO	STRUCTURAL	WEAR	FIELD	CUSTOMER TEST	APPLICATIONS ENGINEERING	TARGET RELEASE
CARLISLE:										
D39A	16.5x7 20K	NAVISTAR*	E145A OR 931-162					X	X	4/87
	16.5x7 19K	MILITARY	931-162**	X				X	X	10/87
8C5	16.5x5 17K	MILITARY	931-162**	X				X	X	10/87
	16/5x6 25K	MILITARY	SMB1A-NAB**	X	X			X	X	10/87
	16.5x7	F/LINER***	931-162					X	X	8/87
	23-28K	GMC	"					X	X	6/87
		MILITARY	SMB1A-NAB**	X	X	X		X	X	10/87
		EATON AXLE	931-162**	X				X	X	8/87
262E	16.5x7	BLUEBIRD	931-162	X					X	6/87
	23K	NAVISTAR*	"					X	X	4/87
SMB1A-ASB	16.5x7 25K	MACK	SMB1A-NAB**		X		X	X		10/87
	18x7 29K	MACK	SMB/NAB10**	X	X	X	X	X	X	5/87

* CUSTOMER RESISTING NAB RELEASES, IS REQUIRING 1-2 YEAR STOCKPILE OF ASBESTOS LININGS.

** LITTLE OR NO TESTING COMPLETED FOR THESE APPLICATIONS, ALTERNATE MATERIAL MAY BE REQUIRED. UNTESTED, POTENTIAL SUBSTITUTES ARE ABEX 1083-7, 1083-17, CARLISLE NAB-10, B.S.I. 2040-1, 2050-1.

*** CUSTOMER RESISTING NAB RELEASES, NO SPECIFIC TARGET FOR CHANGE IDENTIFIED.

EAB 015528

NON-ASBESTOS LINING IMPLEMENTATION PROGRAM (CONTINUED)

ASBESTOS LINING	BRAKE/ G.A.W.R.	MAJOR CUSTOMERS	PROPOSED REPLACEMENT	ENGINEERING TESTING REQUIRED 121 DYNO	STRUCTURAL	WEAR	FIELD	CUSTOMER TEST	APPLICATIONS ENGINEERING	TARGET RELEASE
ABEX:										
551C	15x4	F/LINER***	3030-67				X	X	X	10/87
	12K	VOLVO WHITE	OR E145A				X	X	X	6/87
		PETERBILT	"				X	X	X	4/87
		KENWORTH	"				X	X	X	4/87
		NAVISTAR*	"				X	X	X	4/87
	16.5x5	EATON AXLE	3030-67	X					X	10/87
	12-17K	NAVISTAR*	OR E145A				X	X	X	4/87
		MILITARY	931-162	X				X	X	10/87
	16.5x6	GMC	931-162					X	X	6/87
	14-18K	EATON AXLE	OR NAB9ML**	X	X	X		X	X	10/87
551C	16.5x7	F/LINER***	3030-67				X	X	X	10/87
	20K	GMC	OR E145A				X	X	X	6/87
		EATON AXLE	"				X		X	8/87
		PETERBILT	"						X	12/86
		KENWORTH	"						X	12/86
		NAVISTAR*	"				X	X	X	4/87
551D	15x4	F/LINER***	3030-67				X	X	X	10/87
	12K	VOLVO WHITE	OR E145A				X		X	6/87
		WEST.STAR	OR 931-162				X		X	4/87
		EATON AXLE	"	X			X	X	X	6/87
		PETERBILT	"				X	X	X	4/87
		NAVISTAR*	"				X	X	X	4/87
	16.5x5	NAVISTAR*	NAB-10 OR	X	X	X	X	X	X	12/87
	18K		1083-7**							

EAB 015529

NON-ASBESTOS LINING IMPLEMENTATION PROGRAM (CONTINUED)

ASBESTOS LINING	BRAKE/ G.A.W.R.	MAJOR CUSTOMERS	PROPOSED REPLACEMENT	ENGINEERING TESTING REQUIRED 121 DYNO	STRUCTURAL	WEAR	FIELD	CUSTOMER TEST	APPLICATIONS ENGINEERING	TARGET RELEASE
ABEX(CONT):										
	16.5x6 18K	EATON AXLE	NAB10 OR 1083-7**	X	X	X	X	X	X	10/87
	16.5x7	VOLVO WHITE	931-162					X	X	6/87
	23-25K	EATON AXLE	SMB1A-NAB**	X	X	X	X	X	X	10/87
		PETERBILT	931-162						X	4/87
	18x7 29K	NAVISTAR*	SMB/NAB10 OR 1083-7**	X	X	X	X	X	X	12/87
B.S.I.(RAYMARK):										
531	16.5x7 22K	WEST.STAR	931-162 OR 3030-67	X			X		X	6/87

JRC 12/3/86
(4384E)

EAB 015530