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"THE YEAR OF CHALLENGE"

ABEX FRICTION PRODUCTS GROUP

February 13, 1975

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To: ALL DISTRICT MANAGERS

Bulletin No.: S-75-22 AB

Subject: CARLISLE CORPORATION - MOLDED MATERIAL DIVISION

We have seen some increased activity in some marketing areas by Carlisle Corporation. For your comparison, I am attaching copies of the Carlisle product brochure and the Fruehauf brochure which in effect are one and the same.

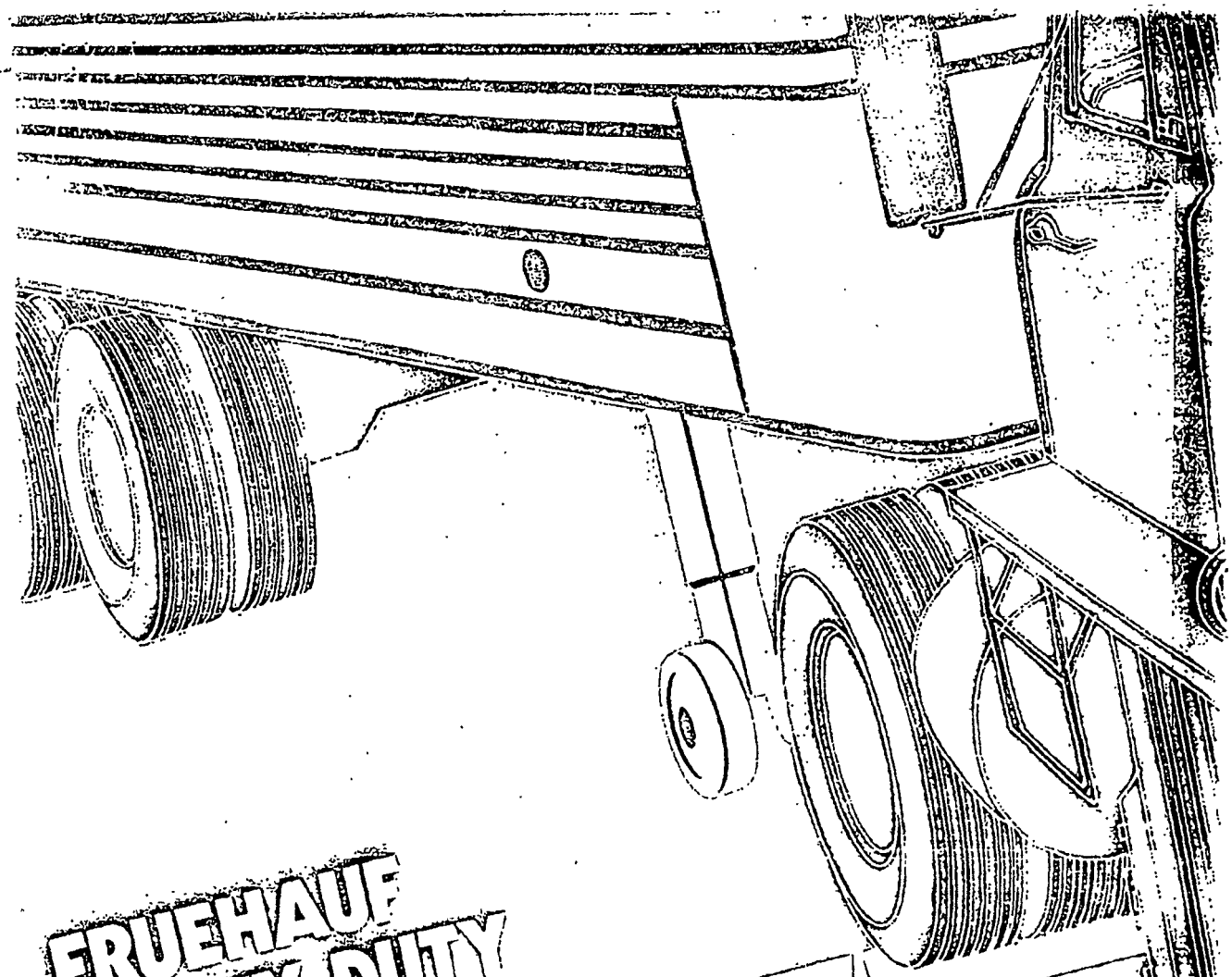
As you know, our Private Brand Program has never been designed to compete with our Abex Distributors. However, it would appear that this is not the case with the Carlisle Program as it would seem that Fruehauf has all the advantages over the Carlisle Distributor.

Harry R. Jones

/mc

Attachs.

cc: Mr. S. S. Conway, Jr.
Regional Managers
Troy Sales Personnel
Winchester Sales Personnel



FRUEHAUF HEAVY-DUTY BRAKE BLOCK

Select the lining that best suits your conditions

Regardless of any particular type you are about specifying for the brakes on your vehicles, consider that they are no better than the lining with which they are equipped.

All Fruehauf mixes offer a high safety factor with stable braking even in high temperature ranges where fade is usually encountered. When a lining fades, it is not braking and not wearing. Users should consider that performance and safety are of prime importance. Life without performance is no bargain. Since braking action develops heat causing brake lining wear, proper brake balance and the use of heavy duty cast drums help reduce lining temperatures and prolong the life of any lining.

TYPE VEHICLE	TYPE SERVICE	LIFE EXPECTANCY*	S-CAM AIR BRAKES		WEDGE BRAKES	
			FRUEHAUF CODE	FRICTION RATING	FRUEHAUF CODE	FRICTION RATING
TRUCKS TRACTORS & TRAILERS 7" brakes or larger equipped with 30 sq. in. chambers or larger	Heavy-Duty Mountain & Level Highway	AAA	'Super Chief' Semi-Metallic SM 14	EF	'Super Chief' Semi-Metallic SM 12	GH
		AA	Premium Quality Organic 'Chief' MM D39	EE	Premium Quality Organic 'Chief' MM D16	GG
		A	Std. Organic 'Brave' MM 243	EF	Std. Organic 'Brave' MM 215M	GG
TRUCKS TRACTORS & TRAILERS 6" brakes or smaller equipped with 24 sq. in. chambers.	Heavy-Duty Mountain & Level Highway	AAA	'Super Chief' Semi-Metallic SM 12	GH	'Super Chief' Semi-Metallic SM 12	GH
			Comb. Set***			
		AA	Premium Quality Organic 'Chief' MM D16	GG	Premium Quality Organic 'Chief' MM D16	GG
		A	Std. Organic 'Brave' MM 243	EF	Std. Organic 'Brave' MM 215M	GG
			Comb. Set***			
BEST ALL PURPOSE LININGS**		AA	MM D39	EE	MM D16	GG
TRUCKS EARTHMOVERS, ETC.	Extra Severe Duty Both on and Off-Highway	AAA	'Super Chief' Semi-Metallic SM 14	EF	'Super Chief' Semi-Metallic SM 12	GH
			Comb. Set***			
	Severe Duty Both on and Off-Highway	AA	Premium Quality Organic 'Chief' MM D39	EE	Premium Quality Organic 'Chief' MM D16	GG
			Comb. Set***			
BUS	Heavy-Duty	AAA	HD 8	EE	NOTE 1. *All linings on this chart are compatible with all type brake drums.*	
			SM 14	EF		
			Comb Set***			
MEDIUM & MEDIUM-HEAVY TRUCKS & TRACTORS	Multi-Stop & Highway	AA AA	MM 862-6 Vacuum or air actuated hydraulic brakes	FF	NOTE 2. *All linings on this chart have approval of New York and all other states having brake lining laws.*	

LIFE EXPECTANCY

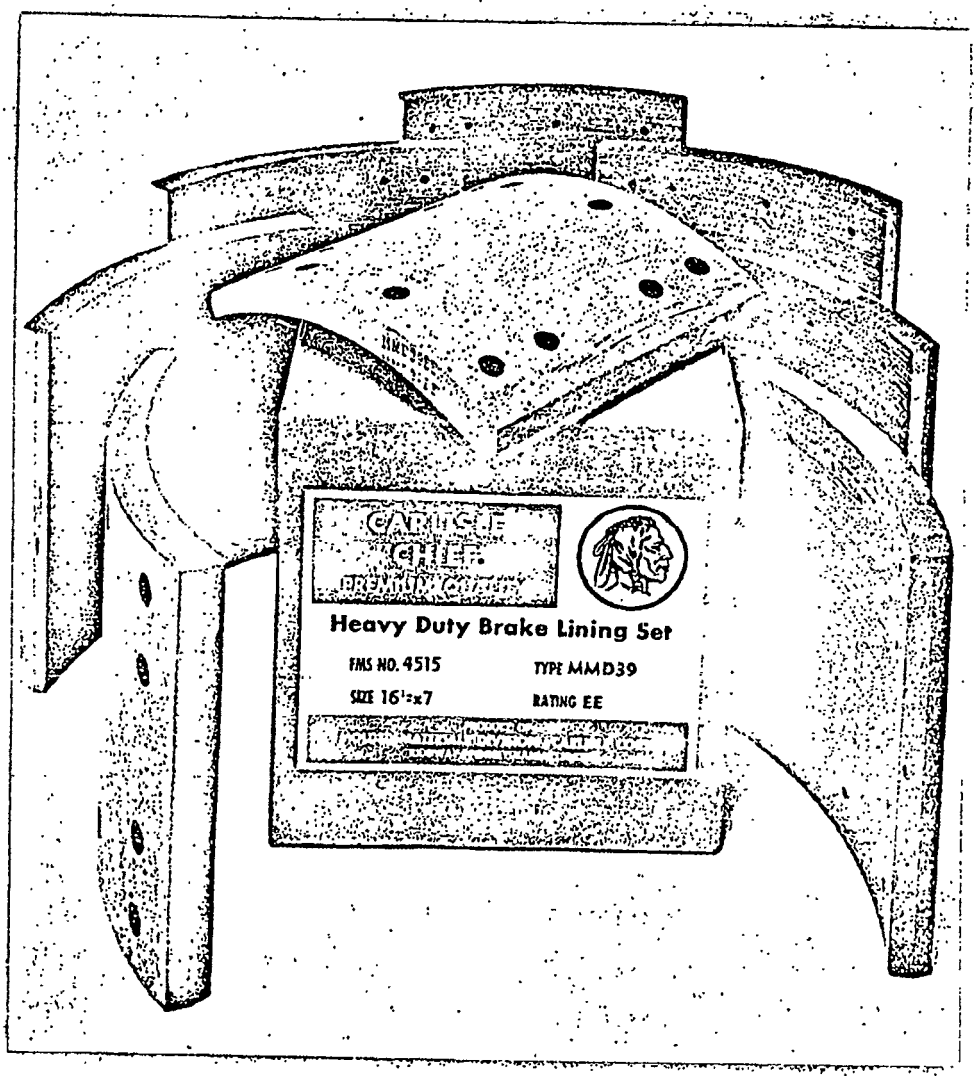
AAA. Maximum wear under all conditions. Long mileage recommended wherever possible for maximum downtime where maximum lining temperatures are limited to 700° F. Use approximately 25% shorter than Fruehauf Chief.

AA. Fruehauf Chief. Longest wearing semi-metallic friction utility organic lining. Offers approximately 15% shorter life than Fruehauf Brave. Recommended for all types of service where temperatures may exceed 700° F.

A. Fruehauf Brave. A full molded, standard friction lining used in many types of medium duty vehicles. Has excellent friction stability. Does not require high temperatures to develop full friction. Has maximum organic binder, is best suited for utility service with all types of vehicles. The only reason they are not specified for all applications is that under certain conditions brake economy can be readily obtained by using correlated materials as the application requires. Fruehauf Brave will provide a long life and reliable performance when properly adjusted.

*Fruehauf grade lists and ratings are suitable for grinding.

Carlisle Heavy Duty Brake Blocks



A Complete Family of Quality Brake Blocks Engineered to Deliver Peak all Around Performance and Reduce the Cost per Mile of Brake Maintenance with Safety

CARLISLE CORPORATION
MOLDED MATERIALS DIVISION

Select the lining that best suits your conditions

Regardless of how particular you are about specifying the brakes on your vehicles, consider that they are no better than the lining with which they are equipped.

All Carlisle mixes offer a high safety factor with stable braking, even in high temperature ranges where fade is usually encountered. When a lining fades, it is not braking and not wearing. Users should consider that performance and safety are prime considerations. Life without performance is no bargain. Since braking friction develops heat and heat causes brake lining wear, thought should be given to means of controlling heat. Heavy-duty drums absorb more heat than light weight drums, and act as a heat sink. They reduce lining temperatures and thereby increase the life of any lining.

CARLISLE LINING RECOMMENDATIONS

TYPE VEHICLE	TYPE SERVICE	LIFE EXPECTANCY*	S-CAM AIR BRAKES		WEDGE BRAKES	
			CARLISLE CODE	FRICTION RATING	CARLISLE CODE	FRICTION RATING
TRUCKS, TRACTORS & TRAILERS 7" brakes or larger equipped with 30 sq. in. chambers or larger	HEAVY-DUTY MOUNTAIN & LEVEL HIGHWAY	AA-1	SEMI-METALLIC MM SM14	EF	SEMI-METALLIC MM SM12	GH
		AA-2	PREMIUM QUAL. ORGANIC MM D39	EE	PREMIUM QUAL. ORGANIC MM D16	GG
		A	STD. ORGANIC MM 141	EF	STD. ORGANIC MM 41W	GG
TRUCKS, TRACTORS & TRAILERS 6" brakes or smaller equipped with 24 sq. in. chambers.	HEAVY-DUTY MOUNTAIN & LEVEL HIGHWAY	AA-1	SEMI-METALLIC MM SM12	GH	SEMI-METALLIC MM SM12	GH
			COMB. SET***			
		AA-2	PREMIUM QUAL. ORGANIC MM D16	GG	PREMIUM QUAL. ORGANIC MM D16	GG
		A	STD. ORGANIC MM 141	EF	STD. ORGANIC MM 41W	GG
			COMB. SET***			
BEST ALL PURPOSE LININGS**		AA-2	MM D39	EE	MM D16	GG
TRUCKS, EARTHMOVERS, ETC.	EXTRA SEVERE DUTY BOTH ON AND OFF-HIGHWAY	AA-1	SEMI-METALLIC MM SM14	EF	SEMI METALLIC MM SM12	GH
			COMB. SET***			
	SEVERE DUTY BOTH ON AND OFF-HIGHWAY	AA-2	PREMIUM QUAL. ORGANIC MM D39	EE	PREMIUM QUAL. ORGANIC MM D16	GG
			COMB. SET***			
BUS	HEAVY-DUTY	AA-1	MM HD8	EE	NOTE: *All linings on this chart are compatible with all types brake drums.*	
			MM SM14	EF		
			COMB. SET***			
MEDIUM & MEDIUM-HEAVY TRUCKS & TRACTORS	MULTI-STOP & HIGHWAY	AA-2	MM B62 Vacuum or air actuated hydraulic brakes	FF	NOTE: *All linings on this chart have approval of New York and all states having brake lining laws.*	

*LIFE EXPECTANCY

AA-1. Maximum wear under all conditions. Semi-metallic linings recommended particularly for mountain driving where sustained drum temperatures may exceed 700° F. Offer approximately 25% greater life than any organic lining.

AA-2. "Carlisle Chief." Longest wearing, most stable premium quality organic lining. Recommended for all types of service except where drum temperatures may exceed 700° F.

A. "Carlisle 141." A full molded, standard organic lining equal in quality to most competitive premium quality linings. Offers much more than average life.

**These premium organic linings have been proved by billions of miles of service over all types of terrain. The only reason they are not specified for all applications is that under certain conditions, greater economy can be had by using a lining formulated specifically for the application.

***Combination sets (all organic or organic and semi-metallic) are available on special order if desired.