

Mr. R. Nail - Allentown

8-2-61

*7/11/61
R. Nail
2/1/61*

February 1, 1961

Dana Corporation
Toledo 1, Ohio

Attention: Mr. D. S. Dana

Dana Clutches
File: OM-24

Dear Dave:

After discussing the contents of your letter of 1-16-61 with Messrs. May and Nail and per our phone conversation of last week, enclosed find the following layouts showing Mack clutch installations for various engines and chassis as indicated.

12HEL4133 - B68 Chassis
EH540 Engine
Mack 15" CL28 Clutch
TR67 Transmission
#2 Flywheel Housing

Note that the layout refers to our EH464 engine but it is identical to that used on the EH540.

12HEL4170 - B61 Chassis
END673 Engine
Mack 15" CL28 Clutch
TR72 Transmission

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This is the most popular combination which is the high volume job.

12HEL4198 - B422 Chassis
EH438 Engine
Mack 14" CL401 Clutch
TR 77 Transmission

Attached also is a chart covering pertinent engine output data as related to clutch capacities for each of the above installations. Comparisons of the clutch capacities with your 2-plate 12" and 2-plate 13" units are included for your ready reference. Minimum excess capacity is calculated on the basis of full facing wear and co-efficient of friction of .25.

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DANA-059.20

Dana Corporation
Attention: Mr. D. S. Dana

- 2 -

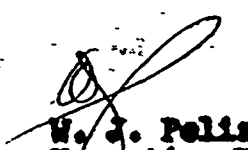
February 1, 1961

It is our understanding that you will start your engineering work to adapt your 2-plate clutches to these basic combinations and will advise as to what changes will be required in order to effect a suitable installation. If you find that details of any of the components are required in order to complete your study, kindly advise and the prints will be forwarded promptly.

Very truly yours,

MAK TRUCKS, INC.

WJP:et
Encl:


W. J. Pelissoni
Executive Engineer
Engine Design Dept.

cc to Messrs: W. M. May
A. H. Glasenapp
P. L. Gillan
F. R. Nail
C. A. Scharfenberg
I. G. Detra

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