

HALE PUMPS

Hale Fire Pump Company
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U. S. A.
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January 26, 1977

SERVICE BULLETIN #32

TO: HALE MIDSHIP CUSTOMERS

SUBJECT: Allison Automatic Transmission Model MT650

Gentlemen:

Occasionally there are areas of potential problems that come to our attention and we feel obligated to pass this information along.

The Allison Automatic Transmission Model MT650 is one of those areas we must call to your attention.

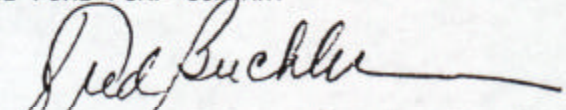
Designed into the MT650 will be one of two torque converters (either 3.1 or 2.4 ratio stall torque). With these ratios available as multipliers of the transmission gear ratios, the potential of a 24 to 1 ratio is possible to attain which would exceed the torque limitations of our midship pump drive shaft (Q, QSMF, QLF & QSF).

We have been assured by Allison that the possibility of this happening is very slight since this ratio build-up is not instantaneous and would apply only under extreme conditions. That is when the truck would be completely immobile due to the rear wheels being locked in position. There is virtually no chance of this happening, nevertheless, we feel it worthwhile to bring to your attention so that you are aware of the possibility.

A copy of our maximum pressure and torque limits sheet is attached for your perusal.

Very truly yours,

HALE FIRE PUMP COMPANY



Fred Buchler
Manager, Customer Service

FB:jo1
Attachment

Fire, Irrigation, Contractor
and Petroleum Pumps



Ball Valves, Accumulators
and Proportioners