Subject: MOLINE (MAC) DOOR INTERLOCK - TYPE NO. 15

Sent to: ALL ELEVATOR CONTRACTORS

The samples of broke (die cast) hooks (beaks) of MAC type No. 15 door interlocks have been received by this Branch during recent months.

In response to our enquiries, Montgomery Elevator Co. Ltd., Moline's Canadian Representative, have advised as follows:

The problems were passed to the manufacturer, Moline Accessories Corporation (MAC).

First, the occasional failures of older-style die cast beaks seems to correlate with overstress at some time in their service life. This is confirmed by the lack of visible flaws at the fracture points in the three samples we examined.

MAC have had occasional similar cases in the United States and in the light of experience gained with their standard stamped steel beak decided to design one along the same lines for replacement orders. I enclose the relevant illustration. Tooling was completed early this year and effective Feb. 10, 1983 all orders for replacement die-cast type beaks have been filled with the steel hook assembly.

As MAC is a supplier to the Elevator Industry as a whole, only steel new or replacement style MAC beaks are now available to the trade, and MAC feel the problem will not recur.

Please be advised that the small number of problems experienced with beak breakage has not warranted any recall program in Canada or the United States of which we are aware.

In order that we can get a clearer picture of the actual extent of the problem, elevator contractors in the Province of Ontario are requested to instruct maintenance mechanics to inspect die cast hooks on Moline door interlocks type no. 15 during regular maintenance on a routine basis and report cracks or beaks which are discovered.

When using replacement Moline interlocks, die cast hooks shall not be utilized, only the newer steel hook is acceptable.

T. Gordon Smith, P.Eng.
Director