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PRODUCT INFORMATION

SERVICE BULLETIN #52

March 28, 1988

TO: Owners of Hale XL-2000's and Hale Distributors
FROM: Joe Costello, Service Manager
SUBJECT: XL-2000 PRIMING PUMPS

We have recently discovered two potential problems with the XL-2000 priming pumps:

The first is the possibility of pulling sand or other lightweight debris in through the discharge hose of the primer. The discharge hose (which sticks out of the bottom of the cowl) is intended to direct water and lubricating oil from the primer, out through the lower cowl. If the XL-2000 unit is operated in loose sand on a beach, during priming, sand may be pulled in through the discharge hose and immediately bind up the close clearances in the primer.

The second potential problem is the possibility of setting up a siphon that can drain oil from the oil tank out through the primer's discharge hose. This potential exists only in the very early units and needs to be addressed only if the oil priming "Squeeze Bulb" is located behind the battery, it already has the upgraded oil line routing, and does not need to be corrected.

The remedy to these problems is outlined in the attached procedures. The solution to the first problem requires the attachment of a "duck bill" check valve to the primer's discharge, and a "vacuum breaker" fitting in the PVT valve line. The solution to the second problem is a rerouting of the oil lines (if required).

A repair kit is being supplied to prevent sand from being drawn into the primer. If you have a unit suspected of having the old oil hose routing, a repair kit is being supplied to remedy that situation.

Thank you for your cooperation and understanding. Should you have any questions on the attached procedures, please contact the Hale Service Department.

Joe Costello
Service Manager