

SUBJECT: Hydraulic Anti-Icer Operation

To all concerned:

Swenson has learned that in certain situations when the hydraulic liquid pump is operated while all three electric discharge valves are simultaneously closed the system pressure will increase beyond the rating of the ¼" pump vent line causing the ¼" tubing to fail.

Corrective Action:

The electric boom discharge valves are only intended and designed for selecting which traffic lanes the liquid will be applied on. The electric boom discharge valves are not intended or designed for starting or stopping the flow of liquid from the anti-icer unit. The flow of liquid from the anti-icer unit should only be controlled by starting or stopping the flow of hydraulic oil to the liquid pump. The below procedure should be followed to prevent an increase in system pressure and a subsequent tubing failure:

To begin discharging liquid from the anti-icer unit:

1. Turn on the corresponding valve for each lane that liquid is to be applied to.
2. Begin to flow liquid from the anti-icer unit by turning on the hydraulic oil flow to the liquid pump via the vehicle hydraulic control system.

To stop discharging liquid from the anti-icer unit:

1. Turn off the hydraulic oil flow to the liquid pump via the vehicle hydraulic control system.
2. Turn off the electric discharge valves.

A pressure relief valve may also be installed between the liquid pump and the electric boom discharge valves. A pressure relief installation kit (part number 00126-703-00) is available for purchase from Swenson Products. To order kits or for additional information please contact the Swenson customer service department at 888-825-7323.

		Route To:		
Initial	President/Owner	Sales Manager	Service Manager	Parts Manager