SERVICE BULLETIN
1202501

TITLE: Gearcase cooler inspection for proper drains
DATE: April 30th, 1996
AFFECTED PUMPS: Models LDM, EM, N, PSM, and 2PSM with coolers
SERIAL NUMBERS BEGINNING WITH 55, 75, 76, 77, 78, 79, and 99

Many Darley Champion pumps are equipped with a water-to-oil gearcase cooler that maintains the gearcase oil temperature at acceptable levels. Such coolers can be identified by inspecting the gearcase to determine if copper tubing lines run from the discharge side of the pump, to the cover plate on the side of the gearcase, and back to the suction side of the pump.

It has recently been determined that in some cases OEM manufacturers have failed to attach the gearcase cooler drain(s) to the master drain, which makes draining the cooler difficult.

Failure to drain the gearcase cooler in freezing weather can cause the cooler to rupture resulting in gearcase damage that can prevent operation in either pump or road mode.

OEM customers should review their mounting procedures so that the drains on the gearcase cooler are attached to the master drain whenever possible. Where the cooler drains are mounted below the master drain, additional drain lines should be provided, and the department purchasing the truck should be made aware of the necessity of draining those additional drain lines separately.

Fire Departments with the pump models referenced above should review their apparatus to determine if a gearcase cooler is installed, and if it is, whether an adequate draining system and procedure exist to drain it responsibly during freezing weather.

Please direct any questions regarding this bulletin to our Engineering office at 800-634-7812 or 715-726-2650.

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