

**Eli Bridge Company**

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NOTIFICATION

Ride Manufacturer: Eli Bridge Company

Affected Production Dates: Any

Affected Serial Nos: Any

Ride Names: BIG ELI® Eagles and Aristocrat Hydraulic Rim-Drive Wheels with Hydraulic Pumps

Abstract of Issue: Due to various factors which include loading, high ambient summer heat, duration of operation, and efficiency of hydraulic components available several years ago, some hydraulic driven Wheels have experienced excessive oil temperatures. Therefore, Eli Bridge has developed a hydraulic oil cooling and continuous filtration system to add to your reservoir for long term protection.

Reason For Release: To insure the best component life and long term reliability, the system oil should be maintained to proper temperature (about 140 degree maximum) and cleanliness (40-micron minimum, 10-micron preferable). The easiest and least expensive way to accomplish this is to install a filtration-cooling loop across the reservoir. This consists of a gear pump, filter assembly, and an oil to air cooler arranged to constantly cool and filter the reservoir oil. The cooler has a bypass valve to allow filtering the oil without removing heat on cooler days.

Action to be taken: If your Eli Bridge Wheel has experienced overheating, install Eli Bridge Company's filter/cooler package on your hydraulic reservoir. The system schematic is shown below. The reservoir is approximately 100-gallon capacity, therefore the oil is filtered and cooled continuously and turned over about every 4 minutes. For high condensation problems, a water removal filter can also be installed in the loop.

