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SERVICE BULLETIN

Ride Manufacturer: CHANCERIDES MANUFACTURING, INC.

Affected Production Dates: All

Ride Name: C.P. HUNTINGTON

Affected Serial Nos.: All Units With
Continental TME27 Engine

Model No.: 102

Abstract of Issue:

Lubricant Specification for Drop-Down Gearbox

Reason For Release:

The manufacturer of the drop-down gearbox on the above noted C.P. HUNTINGTON locomotives has changed the specification for the required lubricant. For extended service life and quiet operation, use only Mobil HD80 (or equivalent) in these gearboxes. Also note that the refill capacity has been revised.

Locomotives delivered after the release date on this bulletin will have the specified lubricant installed at the factory.

Action to be Taken:

Owner/operators of the above noted C.P. HUNTINGTON trains are required to drain the drop-down gearbox and refill it with the specified oil within 30 days of the release date of this bulletin. Use the procedure provided in the *C.P. HUNTINGTON Service Manual*. Subsequent service intervals are unchanged.

NOTE: A revision page for the *C.P. HUNTINGTON Service Manual* is included with this bulletin. Please discard the existing page and replace with the new page provided.

All work must be performed by qualified personnel, capable of understanding the function of the parts and their proper installation. Use only those components authorized, specified or provided by Chance Rides Manufacturing, Inc. All applicable OSHA safety standards and safe industry practices must be observed.

Observe all safety information contained in the manufacturer's manuals. Make available this bulletin and all related technical information to personnel using the equipment.

Chance Rides Manufacturing, Inc. issues notifications for the benefit of owners of amusement rides manufactured by Chance Rides Manufacturing, Inc. As a service to the industry, and in the interest of employee and public safety, Chance Rides Manufacturing, Inc. also issues notifications for the benefit of owners of amusement ride equipment for which the manufacturer no longer exists, such as the Allan Herschell Company, Chance Manufacturing Co., Inc., Chance Rides, Inc., etc. In doing so, Chance Rides Manufacturing, Inc. does not assume liability for losses associated with amusement ride equipment built by manufacturers other than Chance Rides Manufacturing, Inc.

During the first week of operation, be especially observant and watch for loose parts, leaks, etc. In addition to scheduled maintenance, check the following:

- Check the torque of all functional load-carrying capscrews after the first week of operation. This allows for initial seating of components. Check the torque at monthly intervals thereafter.
- Check for lubricant leaks from the engine, transmission, and all gearboxes.
- Check for coolant leaks from the engine and radiator.
- Check for any evidence of fuel leakage.

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Revised August, 2009

Fluids and Lubricants

Timely lubrication and the use of high quality lubricants is necessary to obtain the maximum life of the train and its components. Use only the fluids and lubricants specified in the following chart.

Fluids and Lubricants Chart		
Component	Capacity	Specification
Fuel tank Gasoline LPG (Propane)	13.5 gallons 20 pounds	See "Fuel Selection" in this section
Engine crankcase Gasoline or propane	4.5 quarts with filter	Engine oil meeting API, SAE, ASTM classification - SJ, SL, SM, SJ/CF, SM/CF-96 Above 0°F (-18°C) - SAE 10W/40
Transmission		Automatic Transmission Fluid (ATF), Dexron® or Allison Type C-3. DO NOT MIX DIFFERENT BRANDS
Drop-down gearbox	As required at level plug (0.7 pints)	Mobil HD80 (or equivalent)
Worm gearbox	As required	Multi-purpose gear oil - MIL-L-205B, SAE 90-140
All zerk fittings	As required	NLGI No. 2 lithium base grease
Oil cups	As required	Same as engine oil
Engine cooling system	16 quarts (approximate)	50/50 mixture of water and any high quality ethylene glycol-type antifreeze