

# Technical Service Information



TSI-03-13-01R

This TSI replaces 03-13-01

**Date:** September, 2003

**Subject File:** TRANSMISSION

**Subject:** Oil Change Intervals For Eaton Transmissions and Dana Spicer Drive Axles Using Roadranger E250 and E500 Extended Drain Lubricants

Vendor: Eaton

## DESCRIPTION

Roadranger offers Approved Extended Drain Lubricants for usage in both transmissions and rear drive axles. The attached Roadranger Information Bulletin TMIB-0130 defines "Service Fill" and "Factory Fill" and explains drain intervals associated with E250 and E500 Extended Drain Lubricants. It also explains the requirements for changing from petroleum-based lubricants to Approved Extended Drain Lubricants.

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# Roadranger®

## Information Bulletin



One Great Drivetrain from Two Great Companies



Date: June 26, 2003

**Bulletin Type:** Service

**TMIB-0130**

### **Topic:** Oil Change Intervals for Transmissions and Drive Axles using Eaton Lubricants E250 and E500

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#### **Issue/Background:**

It is important to understand that Roadranger Approved Extended Drain Lubricants are divided into two drain interval categories: E250 is a 250,000-mile (400,000 km) drain requirement, and E500 is a 500,000-mile (800,000km) drain requirement whether they are "Factory Filled" or "Service Filled". Please refer to manual TCMT-0020 for the list of approved lubricant manufacturers under each category and be sure to drain these lubricants at the correct mileage. Also, Transmission and Drive Axle lubricants are different. It is important that the proper lubricant be used in each respective component. Please refer to publication TCMT-0021 for complete details.

Factory Filling Roadranger Components with Approved Extended Drain Lubricants is important to achieve the best performance. Seal performance can be jeopardized if an Approved Extended Drain Lubricant is used as "Service Fill" after a component has been "Factory Filled" with a petroleum-based lubricant. Roadranger recommends that if you are switching from petroleum-based lubricant to an Approved Extended Drain Lubricant, that it be done within the first 5,000 miles (8,000km) of service. If this cannot be done, it is important that after the change to the Approved Extended Drain Lubricant, you inspect seals for leaks and replace them if they are leaking. This will help prevent the component from running low on lubricant.

Definition of "Service Fill": Anytime the Transmission or Drive Axle lubricant is drained and re-filled. This applies whether you are draining an Approved Extended Drain Lubricant and re-filling with an Approved Extended Drain Lubricant, or you are draining a petroleum-based lubricant and re-filling with an Approved Extended Drain Lubricant.

Definition of "Factory Fill": When a Transmission or Drive Axle is filled with lubricant at the OEM factory.

For information regarding lubrication practices for all Roadranger Components, please refer to publication TCMT-0021.

**Note:** The above practices only apply to Transmissions and Drive Axles operating in the U.S. and Canada. For operation in other regions of the world, please refer to TCMT-0021 or contact your local Roadranger Representative.