



Service Bulletin

T005

Section

Transmission - 27

Description

Oil Discoloration in PACCAR Transmissions and Eaton Endurant Transmissions

Release Date

4/6/2018

Introduction

Peterbilt has observed during testing that the PS-386 transmission oil will become a darkened color at low mileage in the PACCAR Transmissions and Eaton Endurant Transmissions. **Reference item A** below comparing new and used transmission oil samples at varying mileages.

The discoloration is due to friction material particles in the transmission oil from the Inertia Brake (wet) and two synchronizers.

- The friction material particles in the oil are normal and not an indication of pre- mature wear of friction material components.
- The friction material particles are small enough that they do not impact the reliability of the transmission components (i.e., gears, bearings and seals).
- The discoloration or staining of internal metal components and surfaces is also normal, **reference Item B**.

The transmission oil change interval for a line haul vocation is 5 years or 750,000 miles / 1,200,000 km.

Resolution

Information only

No corrective action required, discoloration of the transmission oil is normal.

Attachments

Item A:**Item B:**

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