



## Technical Bulletin

# Inspection and Service Interval Guide

## Meritor TN, TQ and TP Series Trailer Axles Equipped with AxlePak™ Dressed-Axle Packages

### - This Publication is Obsolete -

This publication is now superseded by Maintenance Manual MM-2192, Meritor AxlePak™ Wheel-End System Maintenance Manual. Refer to MM-2192 for correct inspection and service procedures. To obtain this publication, visit Literature on Demand at [meritor.com](http://meritor.com).

### Hazard Alert Messages

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

#### WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip or fall over. Serious personal injury and damage to components can result.

#### ASBESTOS AND NON-ASBESTOS FIBERS WARNING

Some brake linings contain asbestos fibers, a cancer and lung disease hazard. Some brake linings contain non-asbestos fibers, whose long-term effects to health are unknown. You must use caution when you handle both asbestos and non-asbestos materials.

### Inspection

Meritor recommends performing basic and detailed external inspections at regularly scheduled intervals. It is the end user's responsibility to ensure that the correct amount of clean lubricant is maintained in the hub at all times.

**NOTE:** If you find any issues during the warranty period (such as lubricant leakage, damaged parts, rough wheel rotation, excessive end play, etc.), contact the Meritor OnTrac™ Customer Call Center at 866-OnTrac1 (668-7221) for authorization before removing any wheel-end components or attempting repairs. Failure to obtain prior authorization from OnTrac will void warranty.

### Basic External Inspection

Perform the following basic external inspection as part of your pre-trip and in-service checks.

1. Visually inspect for signs of lubricant leakage at the wheel seal, hubcap gasket and brake linings.
2. Check for broken or damaged components, parts that are out of position or missing.
3. On oil-lubricated wheel ends, look through the sight window in the hubcap to verify the oil is at the correct level and in good condition. Look for signs of contamination such as floating debris or a milky white color.
  - **If the lubricant appears in good condition (uncontaminated) but is low:** Add the correct amount of lubricant approved for AxlePak™ dressed-axle packages.
  - **If the lubricant appears contaminated:** Disassemble and clean the wheel end. Refill the wheel end with the correct amount of lubricant approved for AxlePak™ dressed-axle packages.

### Post-Trip Inspection for Grease-Lubricated Wheel Ends with Opaque Hubcaps

While the hubs are still warm from operation, check each wheel end for any significant variation in hub temperature between the hubs.

- **If significant variation in temperature between hubs is found:** Contact OnTrac for further instructions as more detailed inspection may be required.

## Detailed External Inspection

Perform the following detailed external inspection every 100,000 miles (160 934 km) or at least once a year.

**NOTE:** If you find any issues during the warranty period (such as lubricant leakage, damaged parts, rough wheel rotation, excessive end play, etc.), contact the Meritor OnTrac™ Customer Call Center at 866-OnTrac1 (668-7221) for authorization prior to removing any wheel-end components or attempting repairs. Failure to obtain prior authorization from OnTrac will void warranty. Once authorized by OnTrac, follow the inspection and service steps below.

1. Perform all of the basic external inspections detailed in this publication.
2. Inspect the seal area on the inboard side of the wheel end for signs of lubricant leakage.
3. Check for smooth wheel rotation. Rotate the hub in both directions to ensure that it rotates smoothly and quietly. Listen and feel for any signs of roughness, vibration or resistance. If any of these are detected, contact OnTrac.
4. Inspect the wheel end for unusual conditions such as damage, parts that are missing or out of position. Replace components as needed. Refer to Maintenance Manual 14 for complete procedures.
5. On oil-lubricated wheel ends, check the hub sight window and verify that the oil level is correct and that the oil does not appear contaminated.
  - **If the oil level is low, but in good condition:** Fill the wheel end to the correct level with the correct lubricant approved for AxlePak™ dressed-axle packages.
  - **If the oil appears contaminated:** Contact OnTrac for authorization to disassemble and clean the wheel end. Once you have received approval, disassemble and clean the wheel end. Refill the wheel end with the correct amount of lubricant approved for AxlePak™ dressed-axle packages.

### CAUTION

**On wheel ends lubricated with semi-fluid grease, you must set the brakes or use other means to correctly support the hub when you remove the outer bearing, or the seal can shift out of position. Damage to components can result.**

6. On grease-lubricated wheel ends, if you discover any issues while performing any of the steps above, it may be necessary to remove the hubcap to perform additional inspection or repair. Contact OnTrac for authorization prior to proceeding with the following steps.

Remove the hubcap and check the condition of the grease. If semi-fluid type lubricant is used, inspect the fill level. This will require you to set the brakes or use other means to correctly support the hub, then remove the outer bearing in order to accurately check the level. Refer to Maintenance Manual 14 for complete procedures.

- **If the grease appears contaminated:** Disassemble and clean the wheel end. Replace the grease with the correct amount of lubricant approved for AxlePak™ dressed-axle packages. Refer to Maintenance Manual 14 for complete procedures.



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