

Detroit NFD Axle – Factory Fluid Change



Feature Introduction of 75W-90 for Detroit NFD Axles

- Description**
- As one of the last stages in NFD high-heat improvements, factory fill moving from 75W-85 to 75W-90 synthetic
 - Implementation date: **January 2024**

2.2 Factory Fill and Service Fill Axle Oils

Table 2 – Factory Fill: Axle Fluid Specifications for Detroit™ Axles

| Specification | DFS 93K219.03 (MB 235.31) | DFS 93K219.01 (MB 235.8) | DFS 93K219.02 (MB 235.20) |
|---------------|--|--------------------------------|---------------------------------|
| SAE Viscosity | 75W-85 | 75W-90 | 80W-90 |
| Description | FE Oil | Synthetic | Mineral Oil |
| Application | Adaptive Tandem (AT666) & New Final Drive (NFD) (Default Factory Fill) | Classic (Default Factory Fill) | Classic (Optional Factory Fill) |

Table 3 - Service Fill: Axle Fluid Specifications for Detroit™ Axles

| | DFS 93K219.03 (MB 235.31) | DFS 93K219.01 (MB 235.8) | DFS 93K219.02 (MB 235.20) |
|-------------------------|--|-----------------------------|------------------------------|
| SAE Viscosity | 75W-85 | 75W-90 | 80W-90 |
| Description | FE Oil | Synthetic | Mineral Oil |
| Classic Detroit Axles | No | Yes | Yes |
| New Final Drive (NFD) | Yes | Yes | No |
| Adaptive Tandem (AT666) | Yes | No | No |
| | Yes, indicates the oil can be used in that application for service fill. No, indicates the oil cannot be used in that application for service fill. | | |

Lubricant Specs

DTNA Communication

Domestic US, 2023

New Factory Fill Oil for Detroit Axles
10/9/2023 - Product News

Effective January 2, 2024, all Detroit drive axles will be filled with synthetic 75W-90 gear axle fluid from the factory. This change affects locations that use FE oil, with new vehicles in 102, Classic axles, currently using synthetic 75W-85 oil, and torque converter oil in all 4000s. These axles are included in all Detroit Star axle freight/price analysis, except the 1000000.

The 75W-90 oil is provided through the normal channels of RFP opportunities and should be used as service fill specifications DF 93K219.01. Please visit the DTNA Portal Page for axle oil shipment data and axle oil service manuals (DOC-2023-0117).

Mobile | Product Communication | 7/16/2023
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Heat reduction measures, primarily 3.08 and 3.23 RAR

DTNA Communication Network on 10/9/2023

DTNA Communications