

## PRODUCT INFORMATION LETTER



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### PRODUCT INFORMATION LETTER # 427

DATE: January 2005

SUBJECT: REVISED LUBRICANT CHANGE INTERVALS

MODELS: ALL SINGLE, TANDEM AND TRIDEM DRIVE AXLES

Dear Customer,

This Product Information Letter supercedes ArvinMeritor PIL 415, which was published in May 2004.

The chart originally included with that publication has been revised to better define all vocational limitations.

Please use the *attached revised chart* for all lubrication interval direction.

Our Maintenance Manuals, and related Technical Publications will be revised to reflect the intervals shown on this chart.

ArvinMeritor continues to recommend a regular lubrication analysis program as part of any preventative maintenance program. In the ArvinMeritor Maintenance Manual Number 1 (Preventative Maintenance and Lubrication – Revision 11-03) pages 1 and 2 highlight the oil analysis guidelines for all drive axle differential oils.

The extended drain intervals for the transit bus vocation reflected in the attached revised chart are the result of extended field testing by ArvinMeritor and ExxonMobil.

We apologize for any confusion caused by the initial publications, and we believe the revised chart will clarify questions that may have been raised by it.

Thank you,

J.L. Malkowski  
Director – Product Management  
CVS Axles

B. Hicks  
Senior Director - Engineering  
CVS Axles & Drivelines

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Vocation or Vehicle Operation	Linehaul	Intercity Coach	City Delivery, School Bus, Fire Truck, Motorhome	Construction, Transit Bus, Refuse, Yard Tractor, Logging, Heavy Haul, Mining, Oil Field, Rescue
<b>Initial oil change</b>	Not required			
<b>Check Oil Level</b> Add the correct type and amount of oil as required	Every 25,000 miles (40,000 Km), or the fleet maintenance interval, whichever comes first	Every 25,000 miles (40,000 Km), or the fleet maintenance interval, whichever comes first	Every 10,000 miles (16,000 Km), once a month, or the fleet maintenance interval, whichever comes first	Every 5,000 miles (8,000 Km), once a month, or the fleet maintenance interval, whichever comes first (1)
<b>Petroleum-Based Oil</b> Change on Axles with or without Pump and filter system	Every 100,000 miles (160,000 Km) or annually, whichever comes first	Every 100,000 miles (160,000 Km) or annually, whichever comes first	Every 50,000 miles (80,000 Km) or annually, whichever comes first	Every 25,000 miles (40,000 Km) or annually, whichever comes first
<b>Synthetic Oil</b> Change on Axle with or without Pump and Filter System (2)	Every 500,000 miles (800,000 km) , or every 4 years, whichever comes first	Every 250,000 miles (400,000 km), or every 4 years, whichever comes first	Every 250,000 miles (400,000 km), or every 3 years, whichever comes first	Every 100,000 miles (160,000 km), or every 2 years, whichever comes first (3)
<b>Filter Change</b> on Axles with Pump and filter system	Every 100,000 miles (160,000 km)	Every 100,000 miles (160,000 km)	Every 100,000 miles (160,000 km)	Every 100,000 miles (160,000 km)

Notes:

- (1) For continuous heavy-duty operation, check the oil level every 1,000 miles (1,600 km).
- (2) These intervals apply to approved semi-synthetic and full synthetic oils only. For a list of approved extended-drain axle oils, refer to TP-9539, Approved Rear Drive Axle Lubricants.
- (3) Change interval for TRANSIT BUS can be increased to **150,000 miles** or **3 years**, which ever comes first, contingent upon:
- documented 10% fleet oil sampling with results below ArvinMeritor guidelines per MM #1,
  - minimum of 6 magnets in housing  
(61163/ 71163 drive axles come standard with 6 magnets in housing),
  - use of approved extended drain interval lubricants-per, TP-9539.  
(Drive axles excluded are: RC-26-633/634 & RC-26/27-720)