

LX6087 Rear axle oil change fluid type



[Robert Cadell Jr](#) 2,776 posts since Nov 9, 2014

LX6087 Rear axle oil change fluid type Jan 6, 2021 6:17 PM

I have a question posed to me by my service manager and I cant remember the answer, the customer wants to change the oil in his diffs, unit has standard rears not the ALD, the pdc states Exxon mobil 75w85 has been discontinued.

My question is this is it acceptable to run 75W90? or change brands to keep the 75W85? I thought I seen in a web trainer or something about this was acceptable I did look up the spec sheet, from what I read the spec ending in .01 or .03 is ok for this model rear even though the weights are different

Thanks

Tags: rear axle, detroit axle, oil type



[Michael Palumbo](#) 1,584 posts since Nov 13, 2014

Re: LX6087 Rear axle oil change fluid type Jan 6, 2021 11:38 PM

See if these help.



Detroit Service Information

- 1-Box Resource Guide
- Diagnostic Forms
- Engine Performance Curves
- Fault Code Booklets
- Lubricants/Fuels/Coolants
- Multimedia
- Power Choice and 3/4 Engines
- Reman DT12
- Service Info Page
- StepUp Overhaul
- Tool Letter History
- Warranty Booklets

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Below is a presentation that reviews the new engine oil categories, API FA-4 and API CK-4, in addition to reviewing new Detroit Fluid Specifications and oil drain intervals. For the most updated/detailed copy of the oil drain intervals, please go to [DDC-SVC-BRO-0001](#).

- Link to PDF "[New_Engine_Oil_Training_API_FA-4_&_API_CK-4.pdf](#)"

+ APPROVED COOLANT LIST

+ COOLANT SERVICE INFORMATION

- DFS AXLE GEAR OIL APPROVAL LIST

[Link to DFS 93K219.01 \(75W-90\) Approved Axle Oil list](#)

[Link to DFS 93K219.02 \(Mineral Oil\) Approved Axle Oil list](#)

[Link to DFS 93K219.03 \(75W-85\) Approved Axle Oil list](#)

+ DFS ENGINE OIL APPROVAL LIST



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Re: LX6087 Rear axle oil change fluid type Jan 7, 2021 12:02 AM

Looks like you have a Detroit model 4 axles.

Vehicle Major Components

Drawing	Component	MFR	Component Model	FTL Part #
	Rear Axle Rear	MBA	DART400-4S	C11-00051-620
	REAR AXLE FORWARD/SINGLE	MBA	DART400-4S	C11-00051-620
	Engine	DDE	D472910	C01-00287-206
	Main Transmission	DT	DT12	C07-00052-090
	FRONT AXLE FORWARD/SINGLE	MBA	F133-3N	C10-00008-146

Reference in P4 Maintenance manual can be found here:

35 Rear Axle

- 35-00 Safety Precautions
- **35-01 Axle Lubricant and Filter Change, and Magnetic Strainer Cleaning**
- 35-02 Axle Breather and Axle Lubricant Level Inspection

Scroll down to:

5.2 Install and tighten the fill plug 30 lbf·ft (41 N·m).

Detroit Drive Axle Lubricant, Model 4 and Model 6*		
Lubricant	Type	Ambient Temperature
Mobil Delvac 1 Gear Oil 75W-90	Synthetic	−40°F (−40°C) and up†
IMPORTANT: Lubricant used in Detroit rear axles must meet Mercedes-Benz specification 235.8/Detroit Fluids Specification (DFS) 93K219.01. Mobil Delvac 1 Gear Oil 75W-90 meets this specification. For more product information, see http://bevo.mercedes-benz.com or https://ddcsn-ddc.freightliner.com/cps/rde/xchg/ddcsn/hs/5931.htm.		

* Detroit rear axles do not require the use of friction modifiers.

† There is no upper limit on the ambient temperature, but axle sump

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The ddcsn link is no longer valid, probably since most of the axle info migrated from PSL to DTNA. The Bevo link is still good. Using 235.8 in BEVO will show you all the approved products, world wide because it includes fluids for all MB products, of which DTNA is one.



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Re: LX6087 Rear axle oil change fluid type Jan 7, 2021 12:11 AM

Thanks Mike this issue is alittle confusing

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TransChicago Truck Group BFWD
Shorewood IL 60404
803 917 5397 Cell
Good Hunting - you'll find your issue



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Re: LX6087 Rear axle oil change fluid type Jan 7, 2021 12:12 AM

- **New Final Drive Top Performance Axles** —Both DFS93K219.01 and DFS93K219.03 are approved, but it is highly recommended to use DFS93K219.03 to attain optimal fuel economy.
- **New Final Drive Standard Performance Axles** —Both DFS93K219.01 and DFS93K219.03 are approved.
- **Model 2, 4, and 6 Classic Axles** —Only DFS93K219.01 is approved.

For more information, go to: [Detroit Fluids Specification \(DFS\) Axle Gear Oil Approval List](#) .

This is in SB3532, see attachment.

- [sb3532.pdf](#) 311.4 KB Preview