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› General Motors 19300457 SAE 75W-85 Rear Axle Fluid User Manual

General Motors 19300457

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Model: 19300457

INTRODUCTION

This manual provides essential instructions for the proper use and maintenance of your General Motors 19300457 SAE 75W-85 Rear Axle Fluid. This product is designed to provide superior oxidation resistance and promote a longer seal life in compatible vehicle rear axles, specifically recommended for 2014 Chevrolet Silverado and GMC Sierra models. Please read this manual thoroughly before proceeding with any fluid replacement or maintenance to ensure safe and effective application.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling automotive fluids.
- Ensure the vehicle is on a level surface and properly supported with jack stands before working underneath.
- Allow the vehicle's rear axle to cool down before servicing to prevent burns.
- Dispose of used fluid responsibly according to local environmental regulations. Do not pour into drains or onto the ground.
- Keep out of reach of children and pets.

SETUP AND PREPARATION

Before adding or replacing the rear axle fluid, ensure you have the necessary tools and materials.

Required Tools and Materials:

- General Motors 19300457 SAE 75W-85 Rear Axle Fluid (1 quart per application, verify vehicle specific capacity)
- Socket wrench set and appropriate sockets for drain and fill plugs
- Fluid pump or syringe for filling

- Drain pan for used fluid
- Clean rags or shop towels
- Personal Protective Equipment (PPE): safety glasses, gloves

Vehicle Preparation:

1. Park the vehicle on a level, firm surface.
2. Engage the parking brake.
3. Safely lift the vehicle using a jack and secure it with jack stands. Refer to your vehicle's service manual for proper jacking points.
4. Locate the rear axle housing. Identify the fill plug (usually higher) and the drain plug (usually lower).



Rear Axle Lubricant High Efficiency

**CAUTION! MAY CAUSE SKIN
AND EYE IRRITATION.**

**Read other Cautions on
Back Panel.**

**NET CONTENTS
32 FL. OZ. (0.946 L)**

ACDelco
ACDelco
ACDelco
ACDelco

**10-4091
19300457**



Image 1: General Motors 19300457 SAE 75W-85 Rear Axle Fluid bottle. This image shows the product packaging, a white bottle with a blue label, indicating the brand and fluid specifications.

OPERATING AND FLUID REPLACEMENT

Follow these steps for proper rear axle fluid replacement:

1. Place a suitable drain pan directly under the rear axle drain plug.
2. Remove the fill plug first. This ensures you can refill the axle before draining, preventing a situation where you drain the fluid but cannot refill it.
3. Remove the drain plug. Allow all the old fluid to drain completely into the pan. This may take several minutes.
4. Once drained, clean the drain plug and reinstall it, tightening to the manufacturer's specified torque. Refer to your vehicle's service manual for torque specifications.
5. Using a fluid pump or syringe, begin filling the rear axle with the new General Motors 19300457 SAE 75W-85 Rear Axle Fluid through the fill plug opening.
6. Fill until the fluid level is even with the bottom edge of the fill plug opening. Some fluid may begin to seep out.
7. Reinstall the fill plug, tightening to the manufacturer's specified torque.
8. Clean any spilled fluid from the axle housing.
9. Carefully lower the vehicle from the jack stands.

MAINTENANCE

Regular inspection and timely fluid changes are crucial for the longevity and performance of your vehicle's rear axle.

- **Fluid Level Check:** Periodically check the rear axle fluid level. With the vehicle on a level surface, remove the fill plug. The fluid level should be at the bottom edge of the fill hole. If low, top up with General Motors 19300457 SAE 75W-85 Rear Axle Fluid.
- **Fluid Change Interval:** Refer to your vehicle's owner's manual or service schedule for recommended rear axle fluid change intervals. These intervals can vary based on driving conditions and vehicle usage (e.g., towing, heavy-duty use).
- **Visual Inspection:** During fluid checks, inspect the fluid for signs of contamination (milky appearance, metal particles) or a burnt smell, which may indicate internal issues. Also, check for any leaks around the axle housing, seals, and plugs.

TROUBLESHOOTING

This section addresses common issues related to rear axle fluid.

- **Fluid Leakage:**

Symptom: Visible fluid drips or wetness around the rear axle housing.

Possible Cause: Loose drain/fill plugs, damaged axle seals, or a cracked housing.

Solution: Check and tighten plugs to specifications. Inspect seals for damage and replace if necessary. If the housing is cracked, professional repair or replacement is required.

• **Unusual Noises from Rear Axle:**

Symptom: Whining, humming, or clunking sounds from the rear of the vehicle.

Possible Cause: Low fluid level, incorrect fluid type, or worn internal components.

Solution: Check fluid level and top up with the correct General Motors 19300457 SAE 75W-85 Rear Axle Fluid. If noises persist or fluid is contaminated, consult a qualified mechanic.

• **Fluid Contamination:**

Symptom: Fluid appears milky, foamy, or contains metal particles.

Possible Cause: Water ingress, incorrect fluid mixing, or excessive wear of internal components.

Solution: Drain and replace fluid immediately. If metal particles are present, professional inspection of the axle components is recommended.

SPECIFICATIONS

Key specifications for General Motors 19300457 SAE 75W-85 Rear Axle Fluid:

Feature	Detail
Brand	General Motors
Model Number	19300457
Viscosity	SAE 75W-85
Material	Synthetic
Liquid Volume	1 Quart (32 Fluid Ounces)
Recommended Use	Automotive: Rear Axle (specifically 2014 Chevrolet Silverado, GMC Sierra)
Specific Use	Prevent Corrosion, Superior Oxidation Resistance, Longer Seal Life
Item Form	Oil
Container Type	Bottle

WARRANTY AND SUPPORT

For specific warranty information regarding General Motors automotive fluids, please refer to your vehicle's official General Motors warranty documentation or contact an authorized General Motors dealership. If you require further technical assistance or have questions about this product, please contact General Motors customer support or visit their official website. Always provide the product model number (19300457) when seeking support.

- **General Motors Official Website:** www.gm.com
- **Authorized Dealership Locator:** Consult the GM website for a dealership near you.



