

AMG HAG228 Rear Differential Oil Pan Leaking

Topic number	LI35.31-P-079847
Version	1
Function group	35.31 - Rear axle center assembly
Date	10/7/25
Validity	167 292 X290 192
	with HAG228 rear differential (see example photo in attachments)
Reason for change	

Complaint

Complaints of oil leaking from rear differential oil pan area.

Cause

In the groove where the pan seal is placed, there may be imperfections (porosity) in the casting causing fluid to leak past the seal.

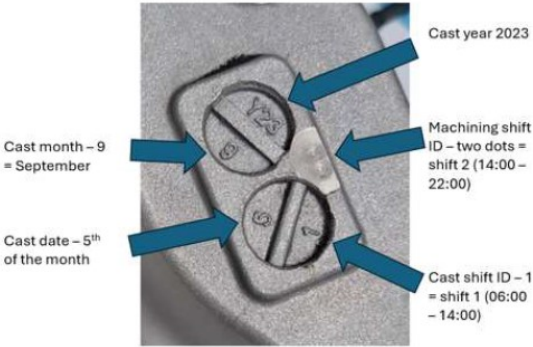
The supplier states this only affects rear differentials with 2023 production date. The production date can be found stamped on the housing cover (see attachment).

Remedy

- 1. Follow the attached instructions to inspect the rear differential cover for porosity.
- 2. Repair the vehicle with the applicable repair kit for the chassis.
- The new oil pans that come with the repair kit should be produced in 2024 and not have this issue.

When submitting the claim, please reference this LI document and if porosity was found.

Attachments	
File	Description
Rear Differential Label.png	Rear differential part label

Example of differential label 	
September 2025 PCTT - Rear Differential Leaking.pdf	Latest PCTT slide for concern
Differential Cover Production Date.jpg  Parts produced 2023 need to be checked	Rear differential production date stamp
Inspect HAG228 Cover for leak source.pdf	Instructions for inspecting rear differential cover

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms
Power transmission > Differential > Rear axle differential > Leakage > Leaks

XENTRY Tips

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A1672610200			HOUSING COVER	1		X
A2902610100			HOUSING COVER	1		X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note