

Low oil level warning - Oil leak at rear crankshaft radial sealing ring

Topic number	LI03.20-P-078715
Version	1
Function group	03.20 - Crankshaft
Date	12/19/24
Validity	Passenger car with M254 or M256
	Up to engine
	2549xx 30 006537
	2569xx 30 102616
	2568xx 30 794937
Reason for change	

Complaint

Low engine oil level warning.
Engine oil leak under vehicle.

Cause

Rear crankshaft radial seal rolled during installation

Remedy

- Check for external oil leak with visual inspection.
- Remove inspection cover on left side of transmission and check for oil in bell housing.
- If oil is found in bell housing, remove transmission and determine location of leak. Replace rear crankshaft sealing ring if found damaged or leaking.
- If ISA is found to be contaminated with engine oil, replace the integrated starter/alternator.

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 generation > Engine lubrication/oil cooling > Function > Oil level too low
Power generation > Engine lubrication/oil cooling > Function > High oil consumption
Power generation > Engine lubrication/oil cooling > Indicator lamp > Engine oil level indicator lamp > lit
Power generation > Engine lubrication/oil cooling > Leakage > External oil loss

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