

Model 222, model 463 with M176 engine low oil level, rough running and or misfire may be observed

Topic number	LI01.00-P-068795
Version	2
Function group	01.00 General
Date	01-28-2019
Validity	222 and 463 vehicles with M176 engine up to engine number 176.980 30 049165
Reason for change	Engine number clean point added
Reason for block	

Complaint:

On vehicles with engine numbers up to 176.980 30 049165 - produced up to January 08, 2019, possible customer complaint of "low oil level" warning light in the Instrument Cluster or irregular oil consumption. Check engine light may be present for misfire. Engine may run rough.

Cause:

Piston assembly installation during production process may not meet specifications.

Attachments	
File	Description
Cylinder #2 picture 1.JPG	cylinder wall head removed
560 6.jpg	spark plug # 8
BK560351.JPG	cylinder wall borescope picture
spark plug close.JPG	spark plugs
IMG_0798.jpg	piston damage

Remedy:

If you receive related complaint on vehicles with engine number up to 176.980 30 049165, produced before January 08 2019, follow the steps below and refer to the WIS document AH01.00-P- 0300-01AMG.

- check for signs of external oil loss;
- check exhaust gases (blue smoke);
- perform short test with freeze frame data
- perform compression and leak-down tests
- check spark plugs
- bore scope cylinders
- check O2 sensors, turbos, cats, exhaust components
- conclude findings
- document your findings for any future references including illustrations of cylinder walls, spark plugs, combustion chambers, and any other relevant components that may be affected. Refer to attachments section for illustration ex-

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amples. Refer to WIS document when assessing potential cylinder wall damages. Proceed with appropriate repairs. There is no need to open a PTSS case for engines up to the clean point as stated above.

If you receive relevant complaint on vehicle with an engine number after 176.980 30 049165, produced with revised assembly process after January 08 2019, please open a PTSS case.

Symptoms
Power generation / Engine lubrication/oil cooling / Function / Oil level too low
Power generation / Engine management / Indicator lamp / Engine diagnosis / lit
Power generation / Engine lubrication/oil cooling / Indicator lamp / Engine oil level indicator lamp / lit
Power generation / Engine lubrication/oil cooling / Display message / Oil sensor message

WIS-References			
Document number	Title	Note	Allocation
AH01.00-P- 0300-01AMG	General information on inspecting cylinder walls	For assessing cylinder wall damages	Remedy

Validity		
Vehicle	Engine	Transmission
*	176.980	*

Attachments

Cylinder #2 picture 1.
JPG:



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560 6.jpg:



BK560351.JPG:



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spark plug close.JPG:



IMG_0798.jpg:

