

## REPORT

LAB NUMBER: P12709

**REPORT DATE:** 11/22/2021

**CODE:** 1/68

UNIT ID: AMG E63 **CLIENT ID: 1972** 

PAYMENT: PO:

MAKE/MODEL: Mercedes AMG 5.5L V-8 Twin-Turbo M OIL TYPE & GRADE: Castrol 0W/40

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL USE INTERVAL: 400 Miles

JASON HENN

MERCEDES-BENZ OF FORT WAYNE

7227 W JEFFERSON BLVD FT WAYNE, IN 46804

PHONE: (260) 432-7200 FAX: (260) 434-0346

ALT PHONE:

EMAIL: ivana@mercedesbenzfw.com

JASON: This engine has a serious coolant leak. Coolant is apparent in the potassium, silicon, and sodium levels, and the actual presence of water (12.0% of the sample). Water likely raised the viscosity and caused rapid oxidation since insolubles are excessive. Also note the flashpoint is low enough to show excess fuel in the oil. Iron and copper are elevated after just 400 miles of oil use, showing poor wear at steel and brass/bronze parts. For reference, averages for comparison are based on a 5,500-mile run. Metals might improve once contamination is no longer a problem.

	MI/HR on Oil	400		AND THE RESERVE			Marie Consultation		
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	Sample Date	11/19/2021	LUCATION	MARKATAN TERRETAR	THE CONTRACTOR	es la specialità de la compania del compania de la compania del compania de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania de la compania del compania	A TOTAL STREET	7 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	UNIVERSAL AVERAGES
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	PHOSPHORUS	859			,				883
	ZINC	892	order of the second						1003
	BARIUM	0	All Habert			, to.			

## Values Should Be\*

	SUS Viscosity @ 210°	104.0	65-75		l	
OPERTIES	cSt Viscosity @ 100°C	21.29	11.6-14.5			
	Flashpoint in °F	300	>385	 <u> </u>		. , .
	Fuel %	4.3	<2.0			Yana sana an
	Antifreeze %	>5.0	0.0			
	Water %	12.0	0.0	1		g Springer (1)
	Insolubles %	8.0	<0:6		1	
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\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE