



OIL REPORT

LAB NUMBER:
 REPORT DATE: 12/18/2017
 CODE: 20/32

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Mercedes Benz 2.1 4 cyl	OIL TYPE & GRADE: Diesel Engine Oil
	FUEL TYPE: Diesel	OIL USE INTERVAL: Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS It looks from here like you bought a nice E250. Universal averages for this type MB engine are on the far right for an oil use of about 9,400 miles. We don't know how many miles are on this oil, but you can see that wear metals have an excellent balance - that shows oil-sharing parts are working together as they should, so we've see no budding mechanical problems. No measurable contamination was found, and viscosity was in the 5W/30 grade range. Air and oil filtration look fine. Great first report, so start with ~8,000 miles for the interval and check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	175,352						
	Sample Date	11/27/2017						
	Make Up Oil Added							
ALUMINUM	10	10					8	
CHROMIUM	2	2					2	
IRON	37	37					32	
COPPER	5	5					7	
LEAD	0	0					0	
TIN	1	1					0	
MOLYBDENUM	141	141					45	
NICKEL	1	1					1	
MANGANESE	0	0					0	
SILVER	0	0					0	
TITANIUM	0	0					10	
POTASSIUM	2	2					9	
BORON	26	26					66	
SILICON	6	6					6	
SODIUM	2	2					6	
CALCIUM	1936	1936					1852	
MAGNESIUM	7	7					38	
PHOSPHORUS	585	585					736	
ZINC	696	696					862	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	58.4					
	cSt Viscosity @ 100°C	9.77					
	Flashpoint in °F	440	>415				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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