BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: E25951
REPORT DATE: 9/8/2010
CODE: 20/75

UNIT ID: MERCEDES C300
CLIENT ID: 39860
PAYMENT: CC: MC

UNIT

MAKE/MODEL: Mercedes Benz 3.0L 6-cyl
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2010 Sport RWD

OIL TYPE & GRADE: Mobil 1 0W/40
OIL USE INTERVAL: 5,200 KM

CLIENT

ALEXIS VOYER-POITRAS
[redacted]
FAX:
ALT PHONE:
[redacted]

COMMENTS

ALEXIS: Your Mercedes-Benz engine has progressed through wear-in nicely in this second sample we have seen. All wear metals are in the correct proportions to one another and at very nice levels in this report, which is a testament to the close tolerances and quality engineering found in Mercedes engines. The viscosity was right on the money for a 0W/40 oil, and no fuel or coolant was present in this sample. Air and oil filtration are working properly at silicon and insolubles. It looks like you have purchased a very nice engine in your 2010 C300 Sport. Very nice automobile!

ELEMENTS IN PARTS PER MILLION

								UNIVERSAL AVERAGES
MI/HR on Oil	5,200	UNIT / LOCATION AVERAGES	5,720					
MI/HR on Unit			10,789					
Sample Date	08/24/10		02/27/10					
Make Up Oil Added	0 qts		0 qts					
ALUMINUM	2	3	3					3
CHROMIUM	0	1	1					1
IRON	9	14	**19**					11
COPPER	2	5	8					5
LEAD	1	2	3					4
TIN	0	3	5					1
MOLYBDENUM	82	76	70					57
NICKEL	0	0	0					1
MANGANESE	1	3	5					2
SILVER	0	0	0					0
TITANIUM	0	0	0					0
POTASSIUM	0	3	5					1
BORON	170	162	154					79
SILICON	7	11	**15**					6
SODIUM	6	7	7					9
CALCIUM	3235	2966	2697					2162
MAGNESIUM	22	105	188					58
PHOSPHORUS	930	924	918					778
ZINC	1065	1066	1066					919
BARIUM	0	0	0					0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	65.4	65-76	66.9				
cSt Viscosity @ 100°C	11.72	11.6-14.8	12.13				
Flashpoint in °F	400	>375	415				
Fuel %	<0.5	<2.0	<0.5				
Antifreeze %	0.0	0	0.0				
Water %	0.0	<0.1	0.0				
Insolubles %	0.2	<0.6	0.1				
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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