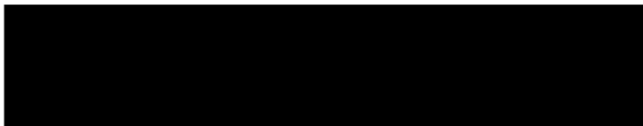




OIL REPORT



UNIT	MAKE/MODEL: Mercedes Benz 3.5L V6	OIL TYPE & GRADE: Mobil 1 0W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 8,400 Miles
	ADDITIONAL INFO:	

CLIENT		PHONE: (772) 204-
		FAX:
		ALT PHONE:
		EMAIL: kyle@smitz.net

COMMENTS KYLE: We found a little more wear than expected in your sample in the iron and copper, metals that usually comes from a steel/bronze interface. If the silicon is abrasive dirt contamination getting into the oil, it may be the cause of the extra wear. Silicon can also be from non-harmful sources like sealer materials, additives, etc. Drop back to the 7,000-mile oil use run and resample. Universal averages show typical wear from this type engine after a 7,125 mile oil run. The extra miles you ran didn't cause the extra wear. The TBN was 6.8, still quite strong.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,400	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	01/21/10						
	Make Up Oil Added	1 qt						
ALUMINUM	5	5					4	
CHROMIUM	2	2					0	
IRON	93	93					25	
COPPER	24	24					7	
LEAD	3	3					1	
TIN	6	6					1	
MOLYBDENUM	11	11					82	
NICKEL	0	0					1	
MANGANESE	28	28					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	5	5					2	
BORON	28	28					89	
SILICON	29	29					11	
SODIUM	8	8					14	
CALCIUM	1410	1410					2058	
MAGNESIUM	956	956					94	
PHOSPHORUS	1008	1008					766	
ZINC	1133	1133					932	
BARIIUM	1	1					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210 °F	66.5	65-76				
	cSt Viscosity @ 100 °C	12.03	11.6-14.8				
	Flashpoint in °F	390	>375				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN	6.8					
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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