EQUIPMENT MAKE: Transmission OIL USE INTERVAL: 51,674 Miles

EQUIPMENT MODEL: Mercedes Automatic OIL TYPE & GRADE: Auto Transmission Fluid

FUEL TYPE: Not Applicable MAKE-UP OIL ADDED: 0 qts ADDITIONAL INFO: 722.6

PAUL: We did not find any significant antifreeze in this sample. Antifreeze shows up as potassium and sodium, and we didn't find either reading at a noticeable level in this sample. If you're losing coolant, it's not getting into your transmission fluid. However, it is time to change this oil and the filter. Insolubles (solids in the oil) read at limits and there was a trace of moisture present. The moisture alone renders the oil unserviceable. Aluminum is left over from wear-in and lead is a marking compound from the factory. Check back to monitor.

	MI/HR ON OIL	51.674	UNIT /				
	MI/HR ON UNIT	51,674	LOCATION			UNIVERSAL	
	SAMPLE DATE	01/09/06	AVERAGES			AVERAGES	
z							
ō	ALUMINUM	22	22			11	
	CHROMIUM	0	0			0	
E	IRON	59	59			68	
2	COPPER	94	94			90	
쏦	LEAD	35	35			16	
ā	TIN	4	4			3	
S	MOLYBDENUM	0	0			0	
7	NICKEL	0	0			0	
A	MANGANESE	4	4			2	
Δ.	SILVER	0	0			0	
Z	TITANIUM	0	0			0	
(C)	POTASSIUM	5	5			1	
Ĕ	BORON	67	67			81	
Ш	SILICON	6	6			10	
Σ	SODIUM	9	9			8	
щ	CALCIUM	24	24			242	
Ш	MAGNESIUM	1	1			17	
	PHOSPHORUS	210	210			284	
	ZINC	6	6			69	
	BARIUM	0	0			32	

<b>XTIES</b>	TEST	cST VISCOSITY @ 40 °C	SUS VISCOSITY @ 100 °F	VISCOSITY INDEX	cST VISCOSITY @ 100°C	SUS VISCOSITY @ 210 °F	FLASHPOINT IN °F	FUEL %	ANTIFREEZE %	WATER %	INSOLUBLES %
PEF	VALUES SHOULD BE					42-51	>335			<0.1	<0.1
PRO	TESTED VALUES WERE					45.5	SHORT	-	-	TR	0.1