

LARRYT OIL ANALYSIS SERVICES
 LARRY TURNER
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 CHESTER, VA 23831

Analysts, Inc.

ISO17025/A2LA ACCREDITED
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STATUS WAS

ABNORMAL ON 24-Jun-06

UNIT I.D.: MERCEDES 190D
 COMPONENT: ENGINE
 COMP. REF. NO.: 829952
 P.O./REF NO.:

WORKSITE	UNIT MANUFACTURER MERCEDES-BENZ 190D	OIL TYPE MOBIL 1 15W50
COMPONENT TYPE DIESEL ENGINE	COMPONENT MANUFACTURER AND MODEL MERCEDES-BENZ 190D	COMPONENT SERIAL NUMBER

MAINTENANCE RECOMMENDATIONS FOR LAB NO. 3302 Reported On: 03-JUL-06 From: CURT RAYMOND, GARDNER, MA

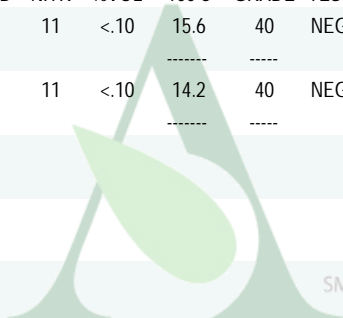


ANALYSIS INDICATES ABNORMAL COMPONENT & LUBRICANT CONDITIONS! Piston, ring & liner wear. VISCOSITY is LOW for the reported oil type/grade. CHANGE the OIL and FILTER(s) if not already performed. PERFORM the appropriate diagnostic tests. PLEASE VERIFY the oil type in service. RESAMPLE at the next scheduled interval.

SPECTROCHEMICAL ANALYSIS IN PARTS PER MILLION BY WEIGHT

EVAL ID: 1267	LAB NO.	Iron	Chromium	Nickel	Aluminum	Lead	Copper	Tin	Silver	Titanium	Silicon	Boron	Sodium	Potassium	Molybdenum	Phosphorus	Zinc	Calcium	Barium	Magnesium	Antimony	Vanadium	SAMPLE DRAWN
	1935	100	15	4	25	32	15	<1	<.1	<.1	9	94	12	32	89	979	1085	2066	<10	27	<30	<.1	17-May-06
	3302	144	15	4	32	34	29	<1	<.1	<.1	11	104	12	24	104	1259	1178	2139	<10	34	<30	<.1	24-Jun-06

SAMPLE INFORMATION				PHYSICAL TEST RESULTS								
LAB NO.	MI/HR Unit	MI/HR Oil	Oil Add	FUEL %VOL	FUEL SOOT	ABS OXID	ABS NITR	WTR. %VOL	VIS 100°C	CS	SAE. GRADE	GLY TEST
1935	239335	5327		1.0	0.6	17	11	<.10	15.6		40	NEG
3302	241484	7478		<1.0	0.7	17	11	<.10	14.2		40	NEG



UNDERLINED FIGURES INDICATE SIGNIFICANT VALUES. MAINTENANCE THAT MAY BE REQUIRED IS INDICATED ABOVE UNDER MAINTENANCE RECOMMENDATIONS AND SHOULD BE PERFORMED BY A QUALIFIED MECHANIC. PLEASE ADVISE US OF ANY MAINTENANCE PERFORMED ON THIS UNIT.

ACCURACY OF RECOMMENDATIONS IS DEPENDENT ON REPRESENTATIVE SAMPLE AND COMPLETE, CORRECT DATA ON BOTH THE UNIT AND SAMPLE. THIS REPORT IS NOT AN ENDORSEMENT OR RECOMMENDATION OF ANY PRODUCT OR SYSTEM. ORIGINAL REPORTS MAINTAINED IN ANALYSTS, INC. DATA FILES.

FOR LEGEND AND EXPLANATION OF PHYSICAL PROPERTIES TESTS PLEASE SEE:

<http://www.analystsinc.com/legend.jsp>

NOTE: 'L' after SAMPLE DRAWN indicates date was NOT provided, displayed date is process date.

N/R = TEST NOT PERFORMED

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