

935 SUNSHINE ROAD
KANSAS CITY, KS 66115-1122
(800) 332-8055, FAX (913) 281-9885

CUSTOMER NO.: 9000394
UNIT NO.: 0M617951
DESCRIPTION: ENGINE
END USER: DAVID MEIMANN
END USER LOCATION: MIDDLETON, ID 83644-5363

NO. COPIES 1

MAKE: MERCEDES BENZ
MODEL 300D
OIL BRAND: SHELL
OIL TYPE: ROTELLA T 5W40
SERIAL NO.: 168857
FUEL TYPE: DIESEL

SAMPLE DATA

LAB#	SAMPLE DATE	TIME ON OIL	RECEIPT DATE	TIME ON UNIT	IRON	CHROMIUM	LEAD	COPPER	TIN	ALUMINUM	NICKEL	SILVER	SILICON	BORON	SODIUM	MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC	MOLYBDENUM	TITANIUM	VANADIUM	POTASSIUM	FUEL (%VOL)	VIS @ 40 C	VIS @ 100 C	WATER (%VOL)	SOOT/SOLIDS (%WT)	GLYCOL
52132	04/23/2004	7000	05/03/2004	231000	73	3	1	3	0	7	4	0	6	4	4	51	3114	0	1072	1349	7	0	0	34	<1	N/A	15.32	0	N/A	NEC
86496	07/19/2003	9000	07/24/2003	224000	108	5	6	5	0	10	10	0	11	23	5	178	3905	10	1158	1440	31	0	0	33	<1	N/A	16.79	0	N/A	NEC
131132	11/09/2002	5000	11/18/2002	215000	67	4	2	4	0	11	10	0	12	27	6	440	2724	0	1206	1762	35	0	0	44	<1	N/A	15.34	0	N/A	NEC
72035	06/21/2002	3600	06/27/2002	209750	54	2	2	3	0	6	13	0	7	0	10	128	2391	0	1045	1318	13	0	0	69	<1	N/A	14.96	0	N/A	NEC

ADDITIONAL TESTS

LAB#	TBN	FSOOT	MILES	ODOMETER	OIL USED	NOTE 1	NOTE 2
52132	8.9	2.8	7000	224 - 231K	ROTELLA SYN 5W-40	0.400	3500
86496	7.0	2.45	9000	215 - 224 K	ROTELLA SYN 5W-40	0.272	2500
131132	8.0	1.63	5200	209.7 - 215K	DELVAC 1300 15W-40	0.313	2000
72035	6.4	1.75	3600	206.1 - 209.7K	ROTELLA SYN 5W-40	0.486	1800

Key
A: Abnormal C: Critical

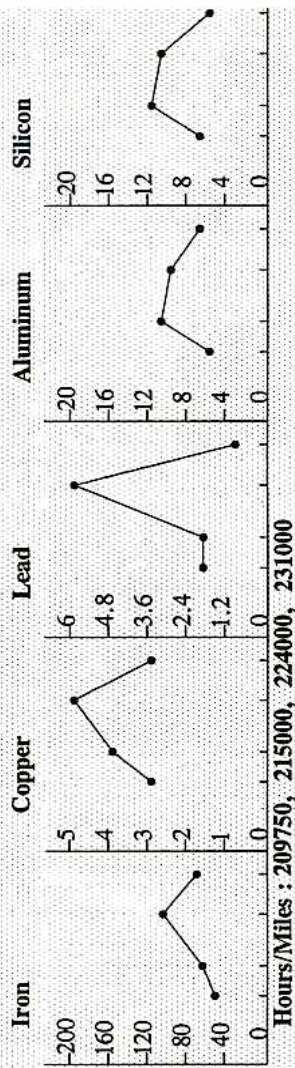
MOBIL ACCUTRACK - KANSAS CITY

NOTE 1 - PERCENT SOOT GENERATE PER 1,000 MILES

NOTE 2 - OIL CONSUMPTION, MILES PER QUART

CURRENT OIL FILL IS MOBIL-1 15W-50

GRAPHICAL ANALYSIS



ANALYSIS RECOMMENDATIONS

ANALYSES INDICATE NORMAL CONDITION. RESAMPLE AT NORMAL INTERVAL.

52132

NOTE: VISCOSITY, SLIGHTLY HIGH. NOTE: WEAR METAL LEVEL(S) HAVE DECREASED SINCE LAST SAMPLE. SAMPLE FORM INDICATES OIL/FILTER CHANGED AT TIME OF SAMPLING. RECOMMEND RESAMPLE AT NEXT OIL DRAIN INTERVAL.

86496

NOTE: ALUMINUM LEVEL APPEARS TO BE HIGH. COOLANT ADDITIVE LEVELS HAVE DECREASED SINCE LAST SAMPLE. RECOMMEND CHANGE LUBE OIL AND LUBE OIL FILTER, IF NOT ALREADY DONE. RECOMMEND RESAMPLE AT NEXT OIL DRAIN INTERVAL.

131132

NOTE: NICKEL LEVEL APPEARS TO BE HIGH. NOTE: POTASSIUM LEVEL APPEARS HIGH. RECOMMEND CHANGE LUBE OIL AND LUBE OIL FILTER, IF NOT ALREADY DONE. RECOMMEND RESAMPLE AT HALF THE NORMAL INTERVAL.

72035

CAR PURCHASED @ 204,000 MILES, CONSUMPTION WAS 1500mi/QT ANALYST-MWF