



P.O. NUMBER CC: AmEx
CODE: 20/11261/121

UNIT NUMBER 04 EXPRESS
REPORT DATE: 12/20/04
LAB NUMBER: C34277

OIL REPORT

CLIENT	CONTACT:	PHONE: (770) 231-9053
	NAME: STEVEN LANDY	FAX: (770) 886-8802
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	GAINESVILLE, GA 30506	

UNIT	EQUIPMENT MAKE: GM	OIL USE INTERVAL: 3,408 Miles
	EQUIPMENT MODEL: 5.3L 327 CI V-8	OIL TYPE & GRADE: Puratech 10W/30 (gas)
	FUEL TYPE: Gasoline (Unleaded)	MAKE-UP OIL ADDED: 0 qts
	ADDITIONAL INFO:	

COMMENTS	STEVEN: Wear looks normal compared to the universal averages, except for lead, from the bearings. Unless you are using a lead-containing oil or fuel additive, lead should be down around the 8 or 9 ppm level in this sample. The oil looked good physically, with no antifreeze, fuel, or water found. Insolubles were low at 0.3%, showing good oil filtration. The TBN was 3.1, showing active additive remaining (a TBN of 1.0 is low). Suggest resampling in about 3,000 miles to monitor lead. If it continues to increase, you may have a bearing problem.
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ELEMENTS IN PARTS PER MILLION	MI/HR ON OIL	3,408	UNIT / LOCATION AVERAGES	2,964	3,000	1,000			UNI VERSAL AVERAGES
	MI/HR ON UNIT	10,771		7,362	4,930	1,000			
	SAMPLE DATE	12/13/04		10/21/04	09/06/04	06/20/04			
	ALUMINUM	2	3	2	5	2			5
	CHROMIUM	0	0	1	0	1			3
	IRON	9	11	10	15	29			29
	COPPER	42	73	58	120	214			89
	LEAD	26	25	21	28	24			9
	TIN	0	2	3	3	5			2
	MOLYBDENUM	35	35	29	40	0			28
	NICKEL	0	0	0	0	0			1
	MANGANESE	1	2	1	3	6			2
	SILVER	0	0	0	0	0			0
	TITANIUM	0	0	0	0	0			0
	POTASSIUM	0	0	0	0	0			1
	BORON	4	1	0	0	5			64
	SILICON	11	38	23	80	117			14
	SODIUM	1	2	2	2	5			9
	CALCIUM	1892	2094	2655	1736	1648			1253
	MAGNESIUM	30	18	22	3	6			644
	PHOSPHORUS	772	781	814	757	773			885
	ZINC	938	956	976	953	897			1071
	BARIIUM	0	0	0	0	1			0

PROPERTIES	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 %
	VALUES SHOULD BE					59-65	>375	<2.0	0	<0.1	<0.6
	TESTED VALUES WERE					60.9	405	<0.5	0.0	0.0	0.3