



OIL REPORT

LAB NUMBER: D62963
 REPORT DATE: 1/8/2009
 CODE: 20/286

UNIT ID: C5
 CLIENT ID:
 PAYMENT:

UNIT	MAKE/MODEL: GM LS-1 5.7L 346 CI V-8	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,415 Miles
	ADDITIONAL INFO: Corvette 350HP	

CLIENT	ALVIN HALL	PHONE:
		FAX:
		ALT PHONE:
		EMAIL:

COMMENTS ALVIN: We've found that storing a car doesn't really hurt it, as long as you drive it some. There's not a way for moisture to get inside the block and corrode parts; what happens instead is the oil gets acidic and that can affect the bearings. But your bearings are fine, so you're driving enough to stave off any problems. The TBN read 9.5, a very good reading. Copper is still coming down from when the engine was brand-new, and you should find more improvements there in the future. The other metals are steady and normal. No fuel/antifreeze found. Looking good as of 12/12/08.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	2,415	UNIT / LOCATION AVERAGES	4,472	5,162	4,328	2,400	UNIVERSAL AVERAGES
	MI/HR on Unit	19,150		16,434	12,000	6,828	2,400	
	Sample Date	12/12/08		10/28/04	08/30/02	06/01/01	02/01/01	
	Make Up Oil Added	1 qt		1 qt	1.5 qts	1 qt	0 qts	
ALUMINUM	3	4	3	4	3	6	4	
CHROMIUM	2	2	2	3	2	1	1	
IRON	10	18	13	17	18	33	15	
COPPER	67	127	77	94	118	281	35	
LEAD	3	3	5	2	2	5	7	
TIN	0	3	1	4	4	8	2	
MOLYBDENUM	12	5	1	3	3	5	65	
NICKEL	1	1	1	2	2	1	1	
MANGANESE	1	3	1	1	2	9	3	
SILVER	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	
POTASSIUM	3	1	0	1	0	0	1	
BORON	71	72	62	66	69	93	69	
SILICON	8	45	9	16	41	151	10	
SODIUM	6	8	7	8	8	11	7	
CALCIUM	1075	978	820	1010	919	1067	2361	
MAGNESIUM	1434	1421	1423	1720	1518	1009	272	
PHOSPHORUS	653	668	643	685	654	703	745	
ZINC	773	814	778	895	802	820	892	
BARIUM	0	1	0	0	0	4	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	59.2	55-62	60.9	61.3	60.4	58.3
	cSt Viscosity @ 100°C	10.00	8.8-11.1	10.46	10.58	10.32	9.72
	Flashpoint in °F	440	>365	400	440	390	395
	Fuel %	<0.5	<2.0	<0.5	<0.5	0.5	0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0	0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.3	0.3	0.4	0.2
	TBN	9.5					
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com