



# OIL REPORT

LAB NUMBER: E60845      UNIT ID: 08 VETTE  
 REPORT DATE: 6/24/2011      CLIENT ID: 16506  
 CODE: 20/75      PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: GM LS-3 6.2L V-8	OIL TYPE & GRADE: Pennzoil Platinum 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,003 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	FRANK BLUM	PHONE: (435) 279-7217
	835 S 150 W	FAX:
	TREMONTON, UT 84337	ALT PHONE:
		EMAIL: fnsblum@comcast.net

**COMMENTS** FRANK: Iron increased quite a bit this time around, and we're concerned that may show a problem developing. Because it's really the only metal reading out of line, it's possible the iron is coming from a steel-on-steel interface, like the camshaft and followers. If you've recently added any new parts, we might be seeing iron from wear-in, and that wouldn't be a problem. On the plus side, everything else looks just fine, and copper and lead have even improved over this oil run. No contamination was found that would explain iron. Resample in 2,500 miles to monitor.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	5,003	UNIT / LOCATION AVERAGES	5,314					
	MI/HR on Unit	20,000		15,143					UNIVERSAL AVERAGES
	Sample Date	06/10/11		09/24/10					
	Make Up Oil Added	0 qts		0 qts					
ALUMINUM	11	10	8						7
CHROMIUM	2	2	1						2
IRON	<b>179</b>	118	<b>57</b>						33
COPPER	128	137	<b>145</b>						86
LEAD	8	11	<b>14</b>						7
TIN	0	1	2						1
MOLYBDENUM	70	90	110						91
NICKEL	1	1	1						1
MANGANESE	6	6	5						2
SILVER	0	1	1						0
TITANIUM	0	0	0						0
POTASSIUM	2	2	2						2
BORON	47	58	68						66
SILICON	13	12	11						19
SODIUM	6	9	12						9
CALCIUM	2934	2599	2264						2512
MAGNESIUM	13	14	15						99
PHOSPHORUS	698	662	626						731
ZINC	912	811	709						871
BARIUM	0	0	0						0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	59.5	56-63	58.5				
	cSt Viscosity @ 100°C	10.09	9.1-11.3	9.80				
	Flashpoint in °F	405	>365	425				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.2				
	TBN							
	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