BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER:
REPORT DATE: 7/24/2013
CODE: 20/501

UNIT ID: 10 SILVERADO
CLIENT ID:
PAYMENT:

UNIT

EQUIP. MAKE/MODEL: GM 5.3L V-8
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Royal Purple 5W/30
OIL USE INTERVAL: 5,000 KM

CLIENT

JEREMY W
 CALGARY, AB
CANADA

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

JEREMY: Iron and copper are high in this sample, but since this is just the second oil change after all the modifications you mentioned, we're hopeful that what turned up here is just wear-in from the work, and silicon is from silicone sealers used during reassembly. If so, metals and silicon should improve with time. Other metals are pretty good compared to averages, which are based on about 9,300 km on the oil, so this isn't a bad sample at all. The TBN was fine at 2.1, and no contamination like coolant or water was found. Try up to 7,000 km on your next oil.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	5,000							
MI/HR on Unit	65,000							
Sample Date	07/14/13							
Make Up Oil Added								
ALUMINUM	6	6						3
CHROMIUM	2	2						1
IRON	55	55						19
COPPER	75	75						28
LEAD	1	1						8
TIN	0	0						1
MOLYBDENUM	10	10						73
NICKEL	1	1						1
MANGANESE	4	4						4
SILVER	1	1						0
TITANIUM	0	0						1
POTASSIUM	5	5						4
BORON	10	10						47
SILICON	20	20						12
SODIUM	374	374						49
CALCIUM	2247	2247						2164
MAGNESIUM	50	50						149
PHOSPHORUS	757	757						698
ZINC	906	906						835
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	55.9	54-61					
cSt Viscosity @ 100°C	9.03	8.5-10.8					
Flashpoint in °F	420	>365					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0					
Water %	0.0	<0.1					
Insolubles %	0.2	<0.6					
TBN	2.1						
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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LIABILITY LIMITED TO COST OF ANALYSIS