



## OIL REPORT

LAB NUMBER: H18625

UNIT ID: 57 HUSKY

REPORT DATE: 12/2/2015

CLIENT ID: 89975

CODE: 20/685

PAYMENT: CC: Visa

**UNIT**

MAKE/MODEL: Chrysler Marine 392 CI Hemi V8  
FUEL TYPE: Gasoline (Unleaded)  
ADDITIONAL INFO:

OIL TYPE & GRADE: Kendall GT-1 20W/50  
OIL USE INTERVAL: 20 Minutes

**CLIENT**

DOUGLAS LYLE  
1987 SHAFER AVENUE  
MORGAN HILL, CA 95037

PHONE: (408) 593-7375  
FAX:  
ALT PHONE:  
EMAIL: douglasalyle@yahoo.com

**COMMENTS**

DOUG: Since this is a newly-rebuilt engine going through the wear-in process, we won't worry too much about comparing the wear metals to averages at this point. Our universal averages are based on ~40 hours of oil use, so all the metals in this sample would be considered high on a per-hour basis, since you've only put about 1/3 of an hour on this sample since the rebuild. The metals are generally in good proportion (iron is supposed to track with oil use, so that's why it's the only one that's way below average), and the TBN is strong at 9.3. Check back next oil.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	20	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit									
	Sample Date	11/30/2015								
	Make Up Oil Added									
	ALUMINUM	3		3						8
	CHROMIUM	2		2						3
	IRON	24		24						81
	COPPER	16		16						24
	LEAD	38		38						31
	TIN	0		0						3
	MOLYBDENUM	32		32						38
	NICKEL	0		0						1
	MANGANESE	12		12						7
	SILVER	0		0						0
	TITANIUM	62		62						21
	POTASSIUM	2		2						10
	BORON	128		128						47
	SILICON	24		24						18
	SODIUM	3		3						34
	CALCIUM	2261		2261						1716
	MAGNESIUM	10		10						207
	PHOSPHORUS	1379		1379						1014
	ZINC	1547		1547						1153
	BARIUM	1		1						1

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	89.9	75-90					
	cSt Viscosity @ 100°C	17.95	14.3-18.2					
	Flashpoint in °F	430	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.4	<0.6					
	TBN	9.3	>1.0					
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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