



OIL REPORT

LAB NUMBER: J56423
 REPORT DATE: 8/25/2017
 CODE: 1/685

UNIT ID: 115803
 CLIENT ID: XXXXXXXXXX
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Chrysler 5.7L V-8 Hemi	OIL TYPE & GRADE: 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO: XXXXXXXXXX	

CLIENT	HUBB FILTERS, INC - CALIFORNIA	PHONE: (415) 986-8238
	233 TAMALPAIS DR	FAX:
	STE B	ALT PHONE:
	CORTE MADERA, CA 94925	EMAIL: rcummins@hubbfilters.com

COMMENTS HUBB: No problems showed up in this sample. Universal averages show typical wear levels for this type of engine after about 5,800 miles on the oil. This oil run was just shy of that mark and that's fine. The metals are low and properly balanced compared to averages, showing mechanical parts that are working well together. The viscosity is in the 5W/20 range and there's no excess fuel or harmful coolant. Low insolubles and silicon show excellent oil and air filtration. The TBN is 2.8 showing active additive left. 1.0 or less is low. Nice report and engine at 28,250 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	28,250						
	Sample Date	6/28/2017						
	Make Up Oil Added							
ALUMINUM	3	3					3	
CHROMIUM	0	0					1	
IRON	14	13					19	
COPPER	37	28					32	
LEAD	0	0					0	
TIN	3	2					1	
MOLYBDENUM	39	22					81	
NICKEL	0	0					1	
MANGANESE	1	1					2	
SILVER	0	0					0	
TITANIUM	0	0					1	
POTASSIUM	1	3					3	
BORON	46	26					48	
SILICON	5	5					8	
SODIUM	5	161					55	
CALCIUM	1698	1793					1944	
MAGNESIUM	11	13					214	
PHOSPHORUS	666	631					750	
ZINC	772	749					801	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	52.5	46-59				
	cSt Viscosity @ 100°C	8.03	6.0-10.2				
	Flashpoint in °F	415	>365				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN	2.8	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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