



# OIL REPORT

LAB NUMBER: J68017

UNIT ID: 0061

REPORT DATE: 10/11/2017

CLIENT ID: [REDACTED]

CODE: 1/685

PAYMENT: Verbal, Hubb

<b>UNIT</b>	MAKE/MODEL: Dodge 5.7L V-8 Hemi	OIL TYPE & GRADE: Synthetic 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,006 Miles
	ADDITIONAL INFO: [REDACTED] 2014 Dodge conv filter oil sample	

<b>CLIENT</b>	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: Universal averages for this engine type are based on about 6,000 miles on the oil. This oil run was shorter than average and metals read lower, accordingly. The viscosity was just a little thick for a 5W/20, though perhaps 5W/30 was used or added. Or maybe 5W/30 was used in the past and a little residual oil bumped the viscosity out of range. No contamination from fuel dilution, water, or coolant was found. The TBN read 3.7, which is plenty strong. Oil filtration looks good, with insolubles reading low at 0.1%. Nice report. This oil can see more use.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	3,006	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	82,271						
	Sample Date	10/2/2017						
	Make Up Oil Added							
ALUMINUM	4	5					3	
CHROMIUM	0	1					1	
IRON	8	29					21	
COPPER	10	36					33	
LEAD	0	0					0	
TIN	0	0					1	
MOLYBDENUM	140	67					81	
NICKEL	0	0					1	
MANGANESE	0	1					2	
SILVER	0	0					0	
TITANIUM	0	0					1	
POTASSIUM	2	2					2	
BORON	31	51					45	
SILICON	11	8					8	
SODIUM	8	5					53	
CALCIUM	2383	1953					2020	
MAGNESIUM	68	22					190	
PHOSPHORUS	779	688					746	
ZINC	904	814					802	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	58.7	48-57				
	cSt Viscosity @ 100°C	9.85	6.7-9.7				
	Flashpoint in °F	430	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN	3.7	>1.0				
	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