



# OIL REPORT

LAB NUMBER: J42277  
 REPORT DATE: 6/29/2017  
 CODE: 1/685

UNIT ID: 126202  
 CLIENT ID: XXXXXXXXXX  
 PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Dodge 5.7L V-8 Hemi	OIL TYPE & GRADE: 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,225 Miles
	ADDITIONAL INFO: 2016 Dodge Charger	

<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 FILTERS: This report is excellent. Copper is still trending down, showing a nice improvement in brass/bronze wear. Iron, from steel parts, is also reading lower than last time. That's partly due to the shorter oil run, but iron's wear rate (per mile) is also better than it was. There isn't anything in these low, well-balanced metals that would point to problem. Insolubles decreased to just 0.1%, indicating very good oil filtration. There's still no sign of harmful contaminants, and the TBN is plenty strong at 4.1. All around, nice results!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	4,225	<b>UNIT / LOCATION AVERAGES</b>	5,623				<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	33,425		29,200	23,577			
	Sample Date	6/21/2017		5/2/2017	2/3/2017			
	Make Up Oil Added							
ALUMINUM	4	5	4	4				3
CHROMIUM	0	1	0	0				1
IRON	12	28	19	14				21
COPPER	20	33	27	33				33
LEAD	0	0	0	0				0
TIN	0	0	0	0				1
MOLYBDENUM	40	61	42	46				81
NICKEL	0	0	0	0				1
MANGANESE	0	1	1	1				2
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				0
POTASSIUM	1	1	1	3				2
BORON	58	55	62	93				44
SILICON	6	7	7	5				8
SODIUM	4	4	4	4				51
CALCIUM	1771	1906	1824	1914				2030
MAGNESIUM	14	19	11	18				189
PHOSPHORUS	679	674	681	727				749
ZINC	796	797	812	844				802
BARIUM	0	0	0	0				0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	52.1	46-59	51.5	52.5		
	cSt Viscosity @ 100°C	7.90	6.0-10.2	7.73	8.04		
	Flashpoint in °F	445	>365	435	440		
	Fuel %	<0.5	<2.0	<0.5	<0.5		
	Antifreeze %	0.0	0.0	0.0	0.0		
	Water %	0.0	<0.1	0.0	0.0		
	Insolubles %	0.1	<0.6	0.2	0.1		
	TBN	4.1	>1.0	2.9	3.3		
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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