



OIL REPORT

LAB NUMBER:
 REPORT DATE: 4/22/2015
 CODE: 20/75

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Chrysler 3.6L Pentastar V-6	OIL TYPE & GRADE: G-Oil 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,180 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS
 The only curious find in this sample from your new Wrangler is iron. This is more than we saw in the factory oil and it's not like we can blame a longer oil run for the increase. The other metals are looking great, so that makes iron even more of a mystery. A steel-on-steel part is likely the culprit and that's probably something in the valve train. This is still a new car though, so we're not recommending you do anything drastic just yet. Maybe the engine saw some harder use or some idling this time. The thin viscosity shouldn't hurt anything. Check back in 5,000 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,180	UNIT / LOCATION AVERAGES	4,806	4,942	UNIVERSAL AVERAGES
	MI/HR on Unit	14,928		9,748	4,942	
	Sample Date	4/3/2015		1/2/2015	10/18/2014	
	Make Up Oil Added	0 qts		0 qts	0 qts	
ALUMINUM	3	4	4	8	4	
CHROMIUM	1	1	1	1	1	
IRON	50	33	26	47	17	
COPPER	31	56	58	182	17	
LEAD	0	0	1	0	0	
TIN	0	1	0	5	0	
MOLYBDENUM	60	88	57	231	103	
NICKEL	1	0	0	0	0	
MANGANESE	2	5	3	14	1	
SILVER	0	0	0	0	0	
TITANIUM	1	1	4	0	3	
POTASSIUM	5	5	4	12	3	
BORON	8	92	11	37	46	
SILICON	15	36	26	95	13	
SODIUM	20	20	58	11	25	
CALCIUM	2499	1874	2260	2165	1491	
MAGNESIUM	12	138	10	8	444	
PHOSPHORUS	701	649	667	694	689	
ZINC	836	754	767	783	772	
BARIUM	0	0	0	1	0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	54.7	56-63	53.0	50.6
	cSt Viscosity @ 100°C	8.67	9.1-11.3	8.18	7.44
	Flashpoint in °F	400	>385	370	425
	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	0.3	0.1
	TBN				
	TAN				
ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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