



OIL REPORT

LAB NUMBER:
 REPORT DATE: 11/3/2014
 CODE: 20/75

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Chrysler 3.6L Pentastar V-6	OIL TYPE & GRADE: 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,942 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS We see a lot of factory fills with this much metal in them, so there's no need to worry about all the bolded numbers you're seeing. They're just from break-in of the new engine and should wash out in the next few oil changes, eventually reading similar to universal averages, which are based on ~6,900 miles. Aluminum, iron, and copper are from various metal pieces of the engine wearing in, and the silicon is from sealers used during assembly. The 0.1% insolubles show effective oil filtration, and no contamination found. Check back to monitor wear-in progress.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,942	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	4,942						
	Sample Date	10/18/2014						
	Make Up Oil Added	0 qts						
ALUMINUM	8	4					4	
CHROMIUM	1	1					1	
IRON	47	33					17	
COPPER	182	56					17	
LEAD	0	0					0	
TIN	5	1					0	
MOLYBDENUM	231	88					103	
NICKEL	0	0					0	
MANGANESE	14	5					1	
SILVER	0	0					0	
TITANIUM	0	1					3	
POTASSIUM	12	5					3	
BORON	37	92					46	
SILICON	95	36					13	
SODIUM	11	20					25	
CALCIUM	2165	1874					1491	
MAGNESIUM	8	138					444	
PHOSPHORUS	694	649					689	
ZINC	783	754					772	
BARIIUM	1	0					0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	50.6	46-59				
	cSt Viscosity @ 100°C	7.44	6.0-10.2				
	Flashpoint in °F	425	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.1	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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