



OIL REPORT

LAB NUMBER:
 REPORT DATE: 8/19/2021
 CODE: 20/68

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Chrysler 3.6L Pentastar V-6	OIL TYPE & GRADE: Mopar 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,360 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS Excellent report! Wear metals are generally low, and copper looks particularly good. Average copper for a 3.6L Pentastar is 20-ppm, and your 2-ppm reading shows very little wear at brass/bronze parts like bushings. Silicon is low, too, so we can rule out dirt contamination. The high iron, copper, and silicon readings in your first report were just from break-in, and now that this extra material is out of the system, it's plain to see that your engine is doing great. This oil doesn't need to be changed out any time soon.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,360	UNIT / LOCATION AVERAGES	4,883				UNIVERSAL AVERAGES
	MI/HR on Unit	28,431		4,883				
	Sample Date	7/18/2021		8/27/2019				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	2	3	7					4
CHROMIUM	1	1	1					1
IRON	12	22	34					16
COPPER	2	8	34					15
LEAD	0	0	1					0
TIN	0	0	0					0
MOLYBDENUM	71	66	203					107
NICKEL	0	0	1					0
MANGANESE	1	2	10					1
SILVER	0	0	0					0
TITANIUM	1	1	0					3
POTASSIUM	1	2	4					3
BORON	74	81	36					45
SILICON	7	13	91					13
SODIUM	4	7	14					21
CALCIUM	911	1361	1911					1409
MAGNESIUM	587	363	14					471
PHOSPHORUS	543	624	574					676
ZINC	618	723	653					765
BARIUM	0	0	0					0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	53.4	46-57	52.0			
	cSt Viscosity @ 100°C	8.29	6.0-9.7	7.87			
	Flashpoint in °F	425	>385	430			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0			
	Insolubles %	0.2	<0.6	0.2			
	TBN						
	TAN						
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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