



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 DOHC	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 breakin, 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	4	7					4	
CHROMIUM	1	1	1					1	
IRON	12	34	34					17	
COPPER	2	68	34					20	
LEAD	0	0	1					0	
TIN	0	1	0					0	
MOLYBDENUM	71	105	203					96	
NICKEL	0	0	1					0	
MANGANESE	1	5	10					1	
SILVER	0	0	0					0	
TITANIUM	1	2	0					3	
POTASSIUM	1	6	4					3	
BORON	74	33	36					45	
SILICON	7	36	91					13	
SODIUM	4	23	14					30	
CALCIUM	911	1959	1911					1566	
MAGNESIUM	587	154	14					404	
PHOSPHORUS	543	651	574					699	
ZINC	618	751	653					776	
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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