BLACKSTONE LABORATORIES

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
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Mopar 0W/20
OIL USE INTERVAL: 3,360 Miles

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	4	7					4
CHROMIUM	1	1	1					1
IRON	12	33	**34**					17
COPPER	2	56	**34**					17
LEAD	0	0	1					0
TIN	0	1	0					0
MOLYBDENUM	71	88	203					103
NICKEL	0	0	1					0
MANGANESE	1	5	10					1
SILVER	0	0	0					0
TITANIUM	1	1	0					3
POTASSIUM	1	5	4					3
BORON	74	92	36					46
SILICON	7	36	**91**					13
SODIUM	4	20	14					25
CALCIUM	911	1874	1911					1487
MAGNESIUM	587	138	14					446
PHOSPHORUS	543	649	574					689
ZINC	618	754	653					772
BARIUM	0	0	0					0

PROPERTIES

		Values Should Be*					
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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