



# OIL REPORT

LAB NUMBER: P14554

UNIT ID: 60 CHRYSLER 300-F

REPORT DATE: 12/2/2021

CLIENT ID: 116653

CODE: 63/68

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Chrysler 413 CID V-8 (Classic)	OIL TYPE & GRADE: Valvoline Racing 20W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,000 Miles
	ADDITIONAL INFO: Ram induction	

CLIENT	NOEL HASTALIS	PHONE: (630) 747-7990
	6410 ST JAMES CT	FAX:
	BURR RIDGE, IL 60527-5773	ALT PHONE:
		EMAIL: cpaviper@comcast.net

**COMMENTS**  
 NOEL: Thanks for the note. This sample still shows signs of coolant contamination as well as excessive wear from steel parts and pistons. Nothing looks obviously worse than before, but wear isn't getting any better either. We should start seeing good progress after the rebuild, though it can take a few oil changes to flush out all the wear-in material. The flashpoint indicates a trace of fuel, which is an un concerning amount. We'll look forward to building trends post-rebuild.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,000	UNIT / LOCATION AVERAGES	3,300	3,000	3,000	2,518	4,040	UNIVERSAL AVERAGES
	MI/HR on Unit	67,000		64,000	60,200	57,300	54,300	51,782	
	Sample Date	11/28/2021		12/2/2020	7/17/2019	4/23/2019	8/15/2018	10/22/2017	
	Make Up Oil Added	0 qts		1 qt	0.33 qts		0.5 qts	1 qt	
ALUMINUM	14	14	17	11	15	15	15	15	4
CHROMIUM	3	3	4	2	3	4	7	2	
IRON	66	69	85	56	67	63	124	29	
COPPER	7	6	9	5	5	10	16	10	
LEAD	15	21	26	14	22	79	311	25	
TIN	2	3	4	2	2	3	6	2	
MOLYBDENUM	72	60	60	67	52	36	17	50	
NICKEL	1	1	1	1	1	1	1	0	
MANGANESE	1	1	1	1	1	1	2	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	28	29	28	32	26	15	1	0	
POTASSIUM	83	63	82	45	63	113	298	1	
BORON	40	21	14	29	20	18	20	30	
SILICON	17	16	20	13	16	18	32	55	
SODIUM	150	232	248	168	279	598	1358	21	
CALCIUM	1266	1387	1352	1399	1409	1813	1973	2345	
MAGNESIUM	856	807	903	873	645	365	13	13	
PHOSPHORUS	1221	1243	1262	1259	1209	1397	1548	860	
ZINC	1392	1418	1479	1449	1325	1503	1648	1034	
BARIUM	0	0	0	0	0	1	1	0	

Values Should Be\*

PROPERTIES	82.0	75-90	84.4	88.3	73.7	89.3	83.7
SUS Viscosity @ 210°F	82.0	75-90	84.4	88.3	73.7	89.3	83.7
cSt Viscosity @ 100°C	16.02	14.3-18.2	16.62	17.56	13.92	17.80	16.45
Flashpoint in °F	385	>385	415	405	395	430	405
Fuel %	TR	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
Antifreeze %	POS	0.0	POS	0.34	POS	1.20	POS
Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.3	<0.6	0.2	0.4	0.3	0.3	0.3
TBN							
TAN							
ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com