



# OIL REPORT

LAB NUMBER: S138576  
 REPORT DATE: 11/4/2024  
 CODE: 20/1,430

UNIT ID: 22 MAVERICK  
 CLIENT ID: 188276  
 PAYMENT: CC: MC

**UNIT**  
 MAKE/MODEL: Ford 2.5L 4-cyl Hybrid (Atkinson)  
 FUEL TYPE: Gasoline (Unleaded)  
 ADDITIONAL INFO:

OIL TYPE & GRADE: Royal Purple 0W/20  
 OIL USE INTERVAL: 9,270 Miles

**CLIENT**  
 [REDACTED]  
 [REDACTED]  
 M [REDACTED]

PHONE: [REDACTED]  
 FAX: [REDACTED]  
 ALT PHONE: [REDACTED]  
 EMAIL: [REDACTED]

**COMMENTS**  
 SAM: Thanks for noting the long block warranty. Every wear metal is reading at a healthy level this time, so we don't suspect a problem with the long block. Metals and silicon were a bit high last time from wear-in and sealers from the factory build, but that has washed out with the oil. Maybe we'll see more improvements next time, but we'll be happy even if things trend right here in future reports. No fuel dilution was found this time, and the 2.9 TBN is fine. Try 11,000 miles next. Nice second report!

ELEMENTS IN PARTS PER MILLION			UNIT / LOCATION AVERAGES	UNIVERSAL AVERAGES
	MI/HR on Oil	MI/HR on Unit		
	9,270	21,768	6,183	
Sample Date	10/15/2024		3/7/2023	
Make Up Oil Added	0 qts		0 qts	
ALUMINUM	7	11	15	5
CHROMIUM	0	0	0	0
IRON	10	13	15	8
COPPER	4	35	65	3
LEAD	0	1	1	0
TIN	1	1	1	0
MOLYBDENUM	68	114	160	88
NICKEL	0	0	0	0
MANGANESE	1	2	2	1
SILVER	0	0	0	0
TITANIUM	32	16	0	3
POTASSIUM	2	3	3	1
BORON	85	92	99	61
SILICON	22	53	84	13
SODIUM	7	9	11	43
CALCIUM	1185	1351	1516	1358
MAGNESIUM	833	648	462	487
PHOSPHORUS	655	726	797	652
ZINC	754	810	866	751
BARIUM	0	6	11	1

PROPERTIES	Values Should Be*		
SUS Viscosity @ 210°F	50.4	46-57	47.8
cSt Viscosity @ 100°C	7.39	6.0-9.7	6.59
Flashpoint in °F	395	>385	350
Fuel %	<0.5	<2.0	1.8
Antifreeze %	0.0	0.0	0.0
Water %	0.0	0.0	0.0
Insolubles %	0.2	<0.6	0.2
TBN	2.9	>1.0	3.6
TAN			
ISO Code			

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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