



OIL REPORT

LAB NUMBER:
 REPORT DATE: 11/5/2025
 CODE: 44/1,193

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Jeep 3.6L V-6 Pentastar	OIL TYPE & GRADE: Valvoline Restore & Protect 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,494 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS This is nice progress. Iron and copper are close enough to the averages this time to avoid bold marks, though they're both still a bit high for the interval length, so we may still see some decreases from them in upcoming samples. Silicon fell, and while it's still high, it's definitely on the right track. We'll just expect it to decrease more after the next couple of oil changes. All is well down in the oil's physical properties. So far, so good for this V-6. Resample to keep monitoring wear-in and building trends.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,494	UNIT / LOCATION AVERAGES	540				UNIVERSAL AVERAGES
	MI/HR on Unit	2,034		540				
	Sample Date	10/18/2025		9/26/2025				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	5	6	7				4	
CHROMIUM	0	1	1				1	
IRON	16	21	26				17	
COPPER	8	11	27				11	
LEAD	0	0	1				0	
TIN	1	1	1				0	
MOLYBDENUM	176	131	161				108	
NICKEL	0	0	1				0	
MANGANESE	6	11	20				2	
SILVER	0	0	0				0	
TITANIUM	0	0	0				2	
POTASSIUM	2	3	6				5	
BORON	125	73	95				48	
SILICON	34	47	101				15	
SODIUM	7	9	16				14	
CALCIUM	1147	943	1278				1269	
MAGNESIUM	587	616	492				515	
PHOSPHORUS	758	678	696				643	
ZINC	827	774	798				742	
BIARIUM	0	0	1				0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	48.8	46-57	51.9			
	cSt Viscosity @ 100°C	6.90	6.0-9.7	7.86			
	Flashpoint in °F	440	>385	405			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0			
	Insolubles %	0.1	<0.6	TR			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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