



# OIL REPORT

LAB NUMBER: L50437

UNIT ID: BIG RED

REPORT DATE: 8/27/2019

CLIENT ID: 89386

CODE: 20/685

PAYMENT: Prepaid

<b>UNIT</b>	MAKE/MODEL: Jeep 3.6L V-6 Pentastar	OIL TYPE & GRADE: Amsoil 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 7,467 Miles
	ADDITIONAL INFO: 2019 Jeep Wrangler Rubicon	

<b>CLIENT</b>	RONNIE [REDACTED]	PHONE: [REDACTED]
	[REDACTED]	FAX:
	[REDACTED]	ALT PHONE:
	[REDACTED]	EMAIL: [REDACTED]
	[REDACTED]	

**COMMENTS** RONNIE: Congrats on the new Jeep! This is the factory fill of oil, so it's no surprise that metals and silicon are reading at elevated levels. The first of those is simply a result of normal wear-in processes, which means there should be plenty of improvement as the temporary metal washes out. The excess silicon is an effect of fresh lubes/sealers used during assembly, and like the metal, should diminish over time. The TBN is good and high at 3.3, so this oil (whatever it was) still had plenty of active additive left in reserve. The viscosity is a 0W/20. Good, so far! Try 9,000 miles.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	7,467	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	7,467						
	Sample Date	7/22/2019						
	Make Up Oil Added	0 qts						
ALUMINUM	6	11					4	
CHROMIUM	2	1					1	
IRON	56	70					18	
COPPER	44	223					23	
LEAD	1	0					0	
TIN	0	0					0	
MOLYBDENUM	230	252					97	
NICKEL	1	1					0	
MANGANESE	12	13					1	
SILVER	0	0					0	
TITANIUM	0	0					3	
POTASSIUM	6	9					3	
BORON	38	31					50	
SILICON	93	114					12	
SODIUM	27	12					35	
CALCIUM	2149	2341					1830	
MAGNESIUM	13	10					280	
PHOSPHORUS	628	713					687	
ZINC	734	825					782	
BARIUM	0	1					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	52.9	46-59				
	cSt Viscosity @ 100°C	8.14	6.0-10.2				
	Flashpoint in °F	440	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	TR	<0.6				
	TBN	3.3	>1.0				
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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