



OIL REPORT

LAB NUMBER: K91876

REPORT DATE: 2/7/2019

CODE: 20/32

UNIT ID: 19 WRANGLER

CLIENT ID: 137851

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Jeep 3.6L V-6 Pentastar
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: 0W/20
OIL USE INTERVAL: 1,783 Miles

CLIENT

JAMES [REDACTED]
[REDACTED]
[REDACTED]

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

COMMENTS

JAMES: Since this is only the first oil change in your new Wrangler, it's normal for there to be extra metal and silicon in the oil. Your metals actually look really good - the extra wear is just from the break-in process, while silicon from leftover sealants and lubes from assembly. What's surprising is how little metal is in this sample. Usually there's more. That just shows the excellent fit and finish these parts had at the factory. You'll see silicon drop in future reports, and metals will also likely drop, but not by much since they're not very high to begin with. Great report! Try 4K miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,783	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	1,783							
	Sample Date	1/17/2019							
	Make Up Oil Added	0 qts							
	ALUMINUM	7							4
	CHROMIUM	1							1
	IRON	27							18
	COPPER	46							24
	LEAD	0							0
	TIN	0							0
	MOLYBDENUM	254							98
	NICKEL	1							0
	MANGANESE	10							1
	SILVER	0							0
	TITANIUM	0							2
	POTASSIUM	4							4
	BORON	87							49
	SILICON	98							12
	SODIUM	24							38
CALCIUM	2333							1908	
MAGNESIUM	19							236	
PHOSPHORUS	711							694	
ZINC	828							789	
BARIUM	0							0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	50.3	46-56				
	cSt Viscosity @ 100°C	7.36	6.0-9.4				
	Flashpoint in °F	400	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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