



OIL ANALYSIS REPORT

Sample Rating Trend

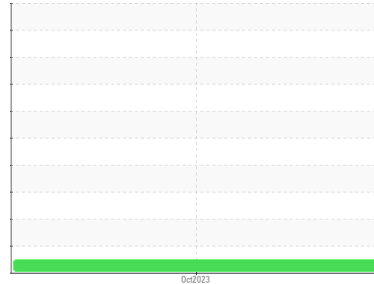
NORMAL



Machine Id
JEEP NO UNIT WC0870455

Component
Gasoline Engine

Fluid
NOT GIVEN (--- LTR)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the brand, type, and viscosity of the oil on your next sample. Please note that this is a corrected copy for diagnostic comment updates.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

Indicate the oil is mineral based. Viscosity of sample indicates oil is within SAE 5W20 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0870455	---	---
Sample Date	Client Info		25 Oct 2023	---	---
Machine Age	kms	Client Info	119992	---	---
Oil Age	kms	Client Info	873	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >150	3	---	---
Chromium	ppm	ASTM D5185(m) >20	0	---	---
Nickel	ppm	ASTM D5185(m) >5	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >2	1	---	---
Aluminum	ppm	ASTM D5185(m) >40	1	---	---
Lead	ppm	ASTM D5185(m) >50	0	---	---
Copper	ppm	ASTM D5185(m) >155	4	---	---
Tin	ppm	ASTM D5185(m) >10	0	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	58	---	---
Barium	ppm	ASTM D5185(m)	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	136	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m)	391	---	---
Calcium	ppm	ASTM D5185(m)	1124	---	---
Phosphorus	ppm	ASTM D5185(m)	548	---	---
Zinc	ppm	ASTM D5185(m)	660	---	---
Sulfur	ppm	ASTM D5185(m)	1429	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >30	12	---	---
Sodium	ppm	ASTM D5185(m) >400	1	---	---
Potassium	ppm	ASTM D5185(m) >20	0	---	---
Fuel	%	ASTM D7593* >4.0	1.7	---	---

INFRA-RED

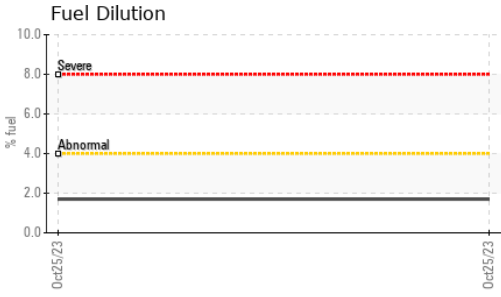
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	---	---
Nitration	Abs/cm	ASTM D7624* >20	6.2	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	15.3	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	8.5	---	---



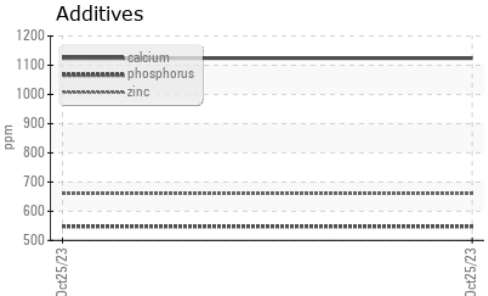
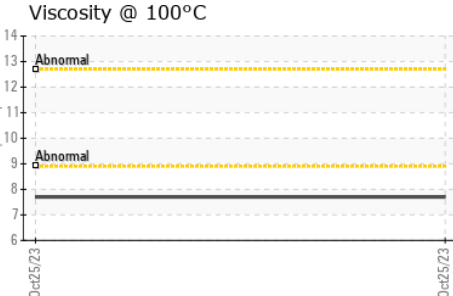
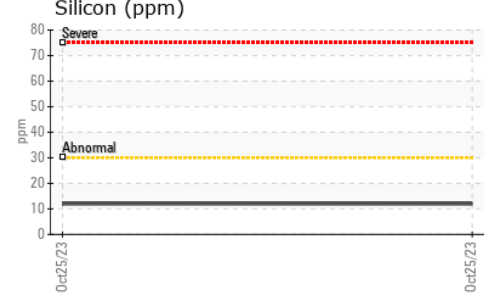
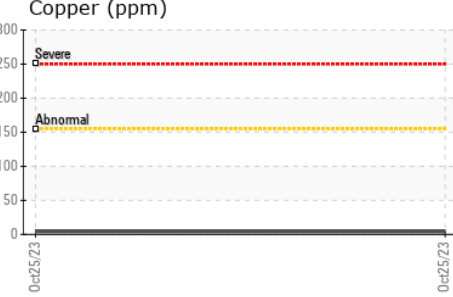
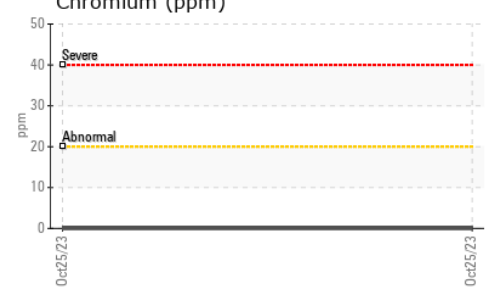
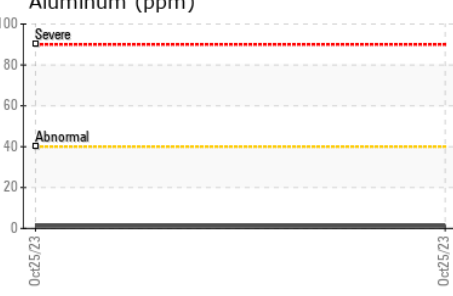
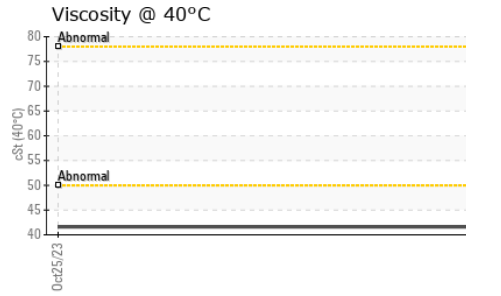
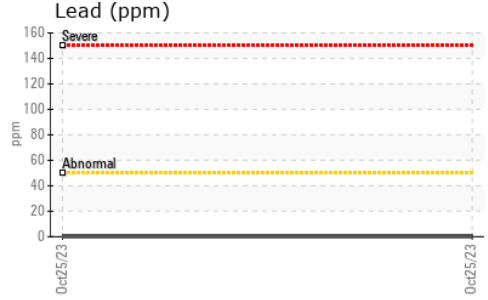
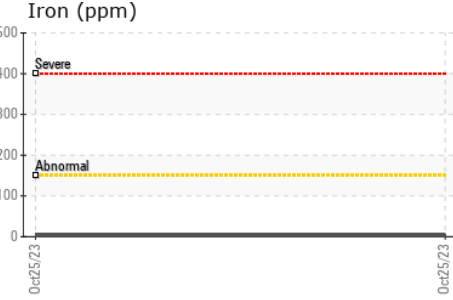
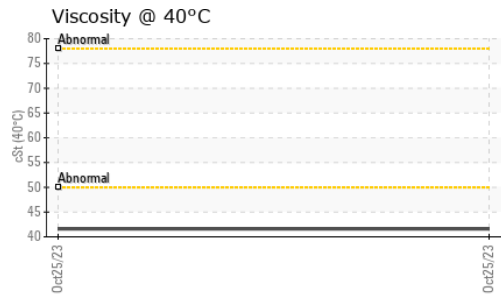
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	41.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	156	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0870455 **Received** : 26 Oct 2023
Lab Number : 02592046 **Diagnosed** : 07 Nov 2023
Unique Number : 5669125 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

VIOLETTA MOSZKOWICS
 22 IRON HORSE CRESCENT
 BOLTON, ON
 CA L7E 2K7
 Contact: Violetta Moszkowics

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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