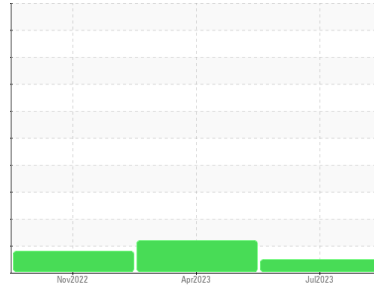




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[3RD]
 Machine Id
JEEP JC6JJTBG6NL138278
 Component
Gasoline Engine
 Fluid
MOBIL 1 0W20 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0764595	WC0764596	WC0764585
Sample Date	Client Info			23 Jul 2023	03 Apr 2023	24 Nov 2022
Machine Age	kms	Client Info		25666	16387	7316
Oil Age	kms	Client Info		9279	0	7316
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	MARGINAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>4.0		<1.0	▲ 3.4	▲ 2
Glycol	WC Method			NEG	NEG	0.0

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	20	33	41
Chromium	ppm	ASTM D5185(m)	>20	1	2	2
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	5	7	8
Lead	ppm	ASTM D5185(m)	>50	<1	<1	2
Copper	ppm	ASTM D5185(m)	>155	5	11	27
Tin	ppm	ASTM D5185(m)	>10	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	70	46	50	46
Barium	ppm	ASTM D5185(m)	0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	79	89	141
Manganese	ppm	ASTM D5185(m)	0	2	6	23
Magnesium	ppm	ASTM D5185(m)	620	713	675	400
Calcium	ppm	ASTM D5185(m)	875	1067	1201	1360
Phosphorus	ppm	ASTM D5185(m)	450	559	639	646
Zinc	ppm	ASTM D5185(m)	525	667	691	722
Sulfur	ppm	ASTM D5185(m)	1300	1519	1632	1582
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

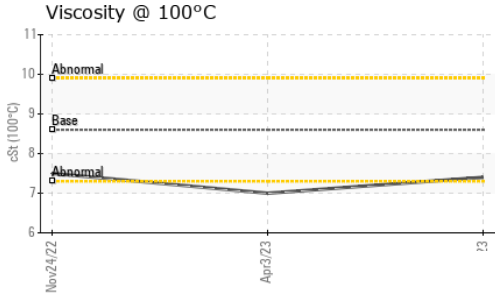
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	18	32	103
Sodium	ppm	ASTM D5185(m)	>400	4	7	25
Potassium	ppm	ASTM D5185(m)	>20	2	6	7

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.9	13.5	10.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.5	23.8	21.0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.0	16.0	13.5



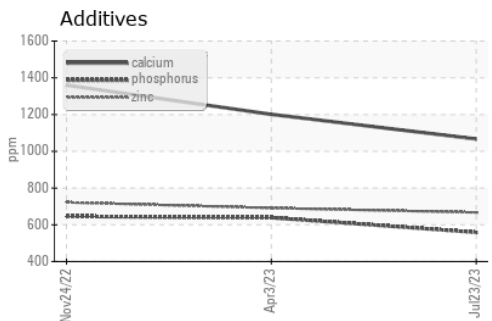
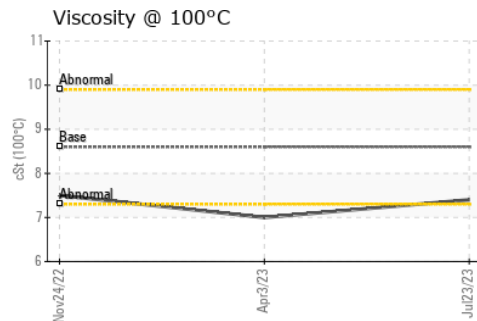
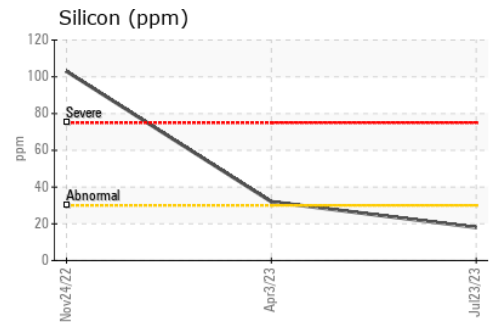
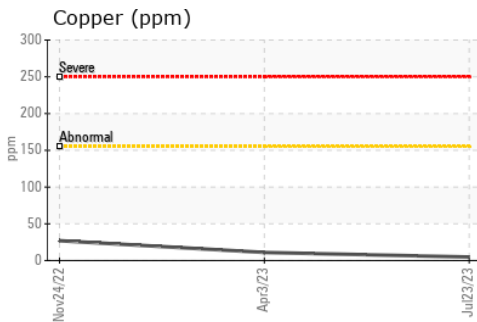
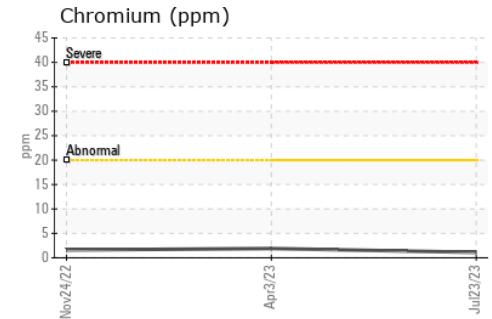
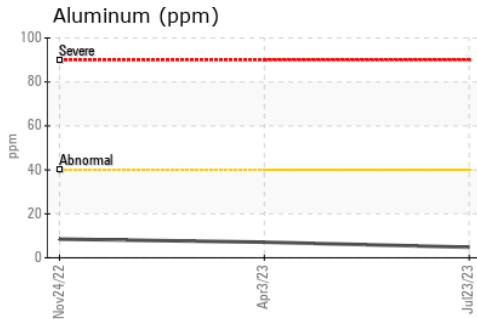
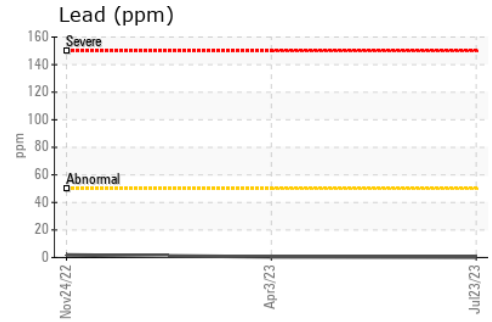
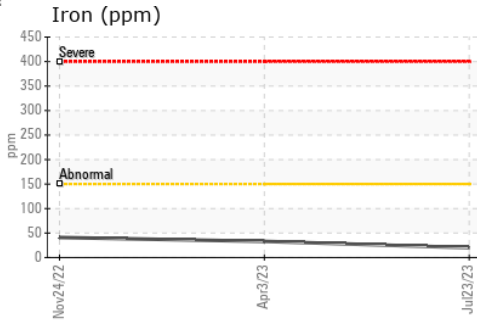
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	8.6	7.4	▲ 7

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0764595 **Received** : 10 Oct 2023
Lab Number : 02587978 **Diagnosed** : 10 Oct 2023
Unique Number : 5657044 **Diagnostician** : Wes Davis
Test Package : MOB 1

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 OAKVILLE, ON
 CA L6J 2H7
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 T: (647)285-7726
 F:

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.