



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JEEP JEEP TRACKHAWK

Component
Rear Gasoline Engine

Fluid
AMSOIL SYN PREMIUM SAE 10W40 (AMO) (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0770697	---	---
Sample Date		Client Info		19 Apr 2024	---	---
Machine Age	kms	Client Info		0	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

Copper ppm levels are abnormal. Bearing wear is indicated. We have assumed that this component is not breaking in (age of component not reported).

Iron	ppm	ASTM D5185(m)	>150	88	---	---
Chromium	ppm	ASTM D5185(m)	>20	10	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	9	---	---
Lead	ppm	ASTM D5185(m)	>50	26	---	---
Copper	ppm	ASTM D5185(m)	>155	▲ 165	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

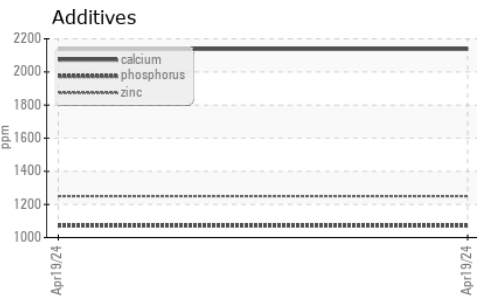
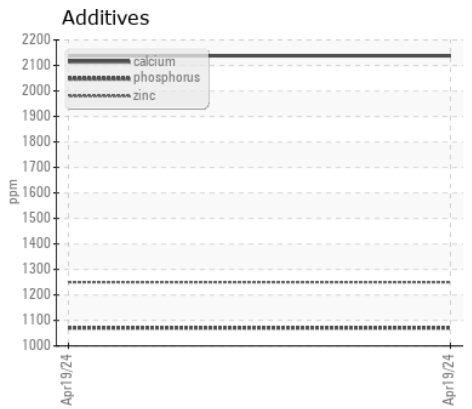
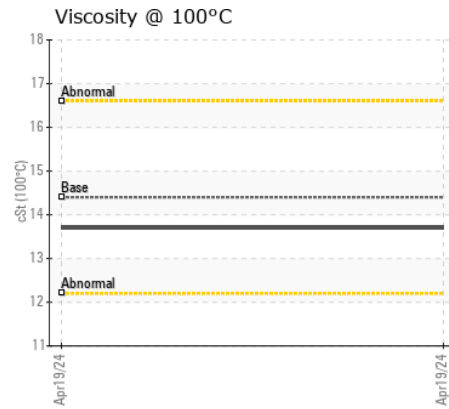
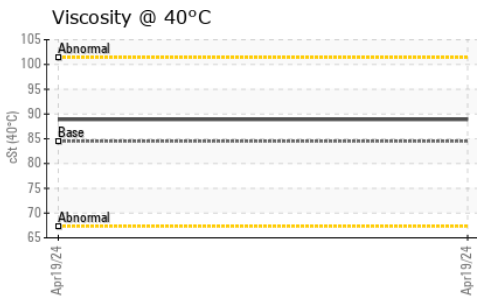
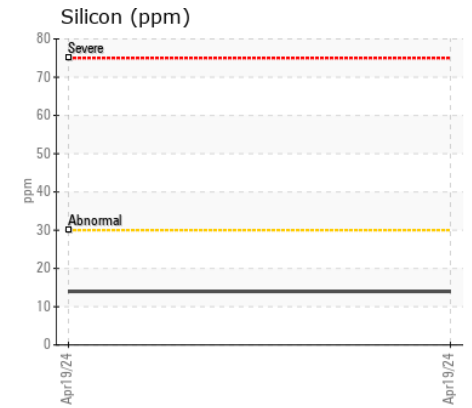
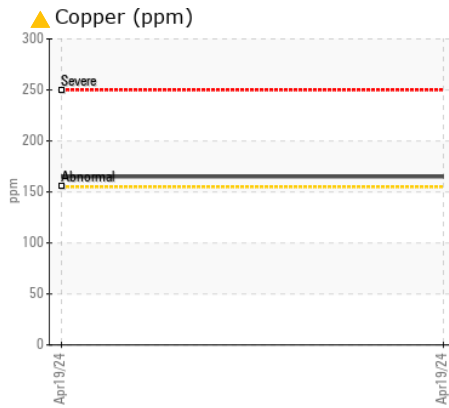
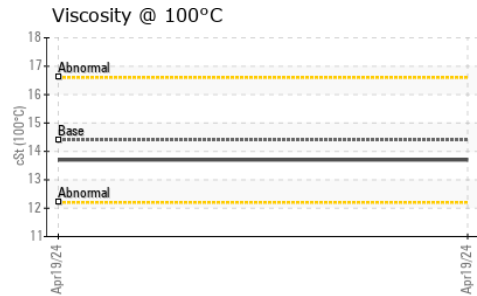
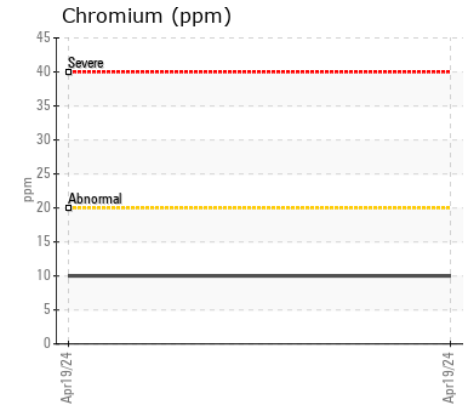
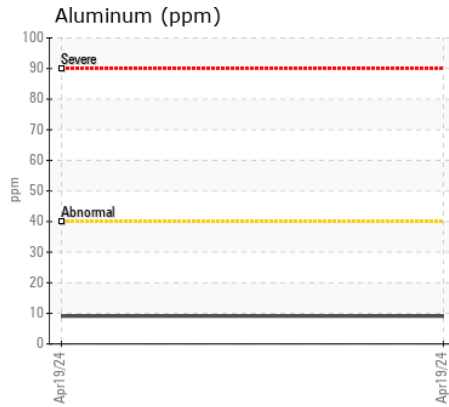
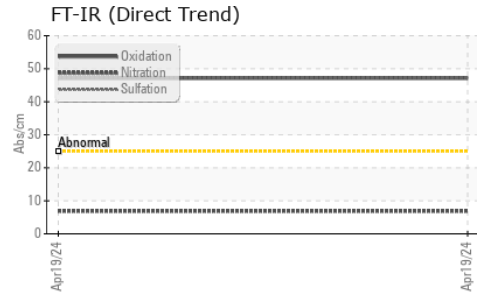
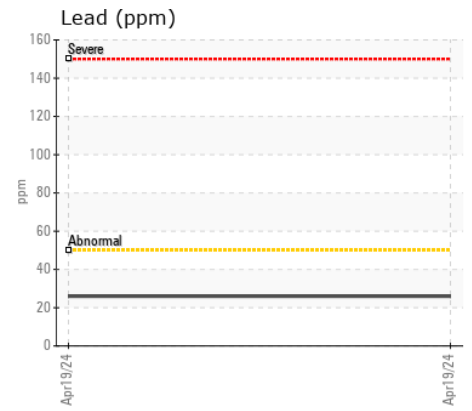
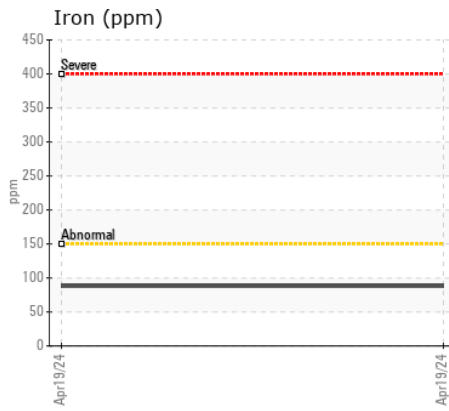
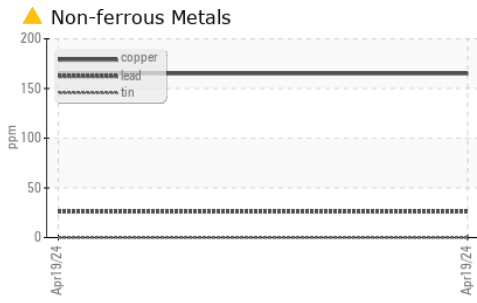
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	14	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	6.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	47.2	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)	>400	9	---	---
Boron	ppm	ASTM D5185(m)		102	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		57	---	---
Manganese	ppm	ASTM D5185(m)		4	---	---
Magnesium	ppm	ASTM D5185(m)		22	---	---
Calcium	ppm	ASTM D5185(m)		2138	---	---
Phosphorus	ppm	ASTM D5185(m)		1071	---	---
Zinc	ppm	ASTM D5185(m)		1250	---	---
Sulfur	ppm	ASTM D5185(m)		3462	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	47.1	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	84.5	88.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	178	157	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0770697 **Received** : 18 Jun 2024
Lab Number : 02642500 **Tested** : 18 Jun 2024
Unique Number : 5800039 **Diagnosed** : 19 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

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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