



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
ROCKTECH T525X SL18

Component
Transmission (Manual)
Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

▲ Wear

Lead ppm levels are abnormal. Clutch disc wear indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0895825	---	---
Sample Date	Client Info		13 Mar 2024	---	---
Machine Age	hrs	Client Info	159	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	14	---
Chromium	ppm	ASTM D5185(m)	>5	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---
Titanium	ppm	ASTM D5185(m)		<1	---
Silver	ppm	ASTM D5185(m)	>7	0	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---
Lead	ppm	ASTM D5185(m)	>45	▲ 111	---
Copper	ppm	ASTM D5185(m)	>225	208	---
Tin	ppm	ASTM D5185(m)	>10	2	---
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)		36	---
Barium	ppm	ASTM D5185(m)		18	---
Molybdenum	ppm	ASTM D5185(m)		2	---
Manganese	ppm	ASTM D5185(m)		<1	---
Magnesium	ppm	ASTM D5185(m)		14	---
Calcium	ppm	ASTM D5185(m)		3157	---
Phosphorus	ppm	ASTM D5185(m)		736	---
Zinc	ppm	ASTM D5185(m)		761	---
Sulfur	ppm	ASTM D5185(m)		2704	---
Lithium	ppm	ASTM D5185(m)		2	---

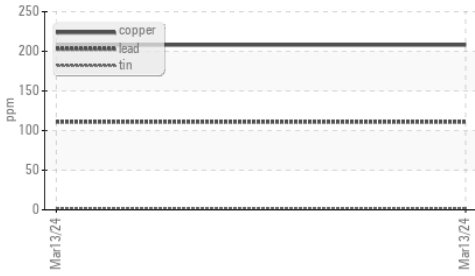
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>125	10	---
Sodium	ppm	ASTM D5185(m)		6	---
Potassium	ppm	ASTM D5185(m)	>20	2	---



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▲ Non-ferrous Metals



Viscosity @ 40°C



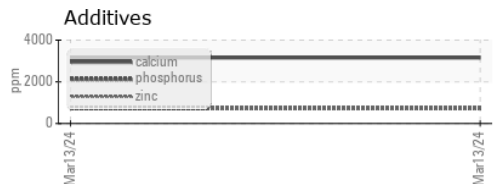
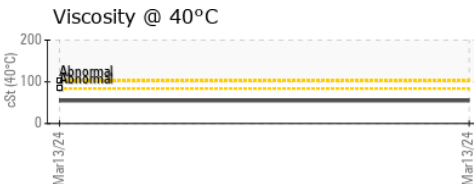
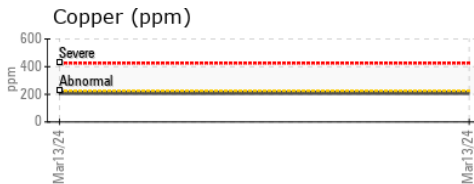
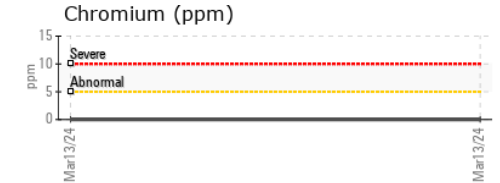
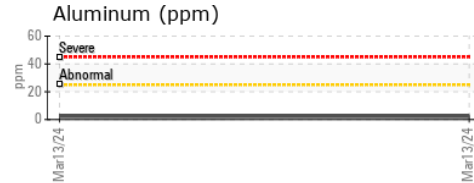
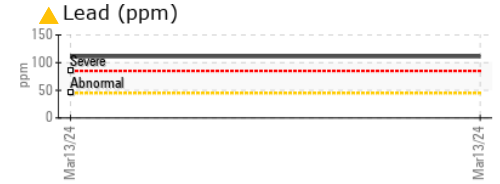
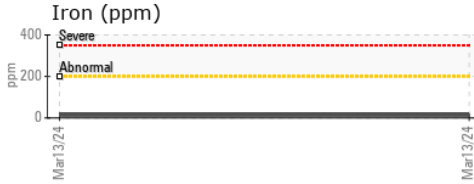
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.0	---	---

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0895825
Lab Number : 02622746
Unique Number : 5747865
Test Package : MOB 1

Received : 18 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 19 Mar 2024 - Kevin Marson

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1

Contact: Mitch Lamontagne
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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.