



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
250023965
Component
Transmission (Manual)
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Copper and tin ppm levels are severe. Clutch disc wear or oil cooler leaching indicated. Bearing wear is indicated.

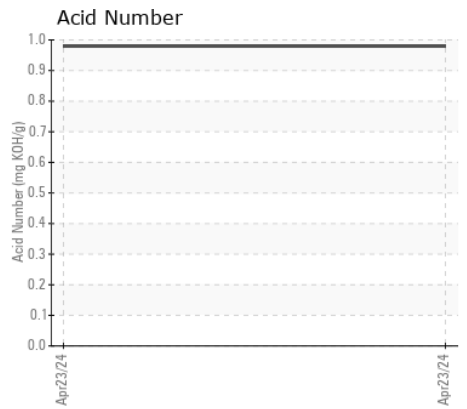
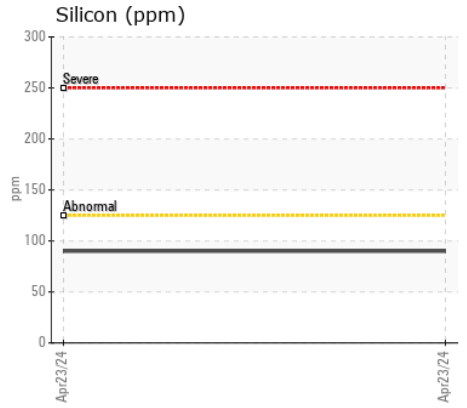
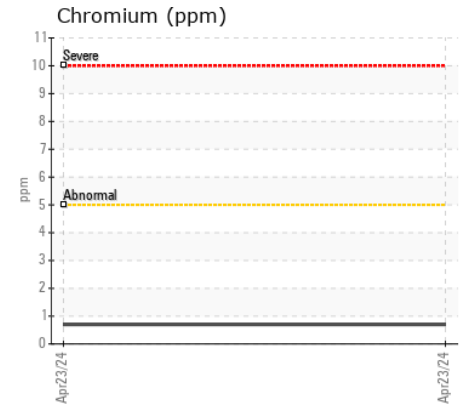
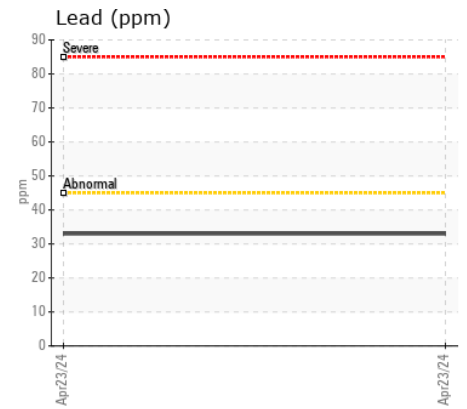
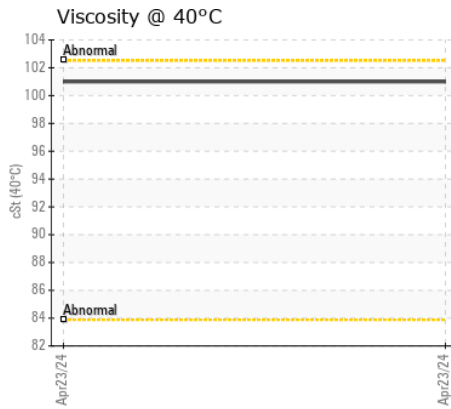
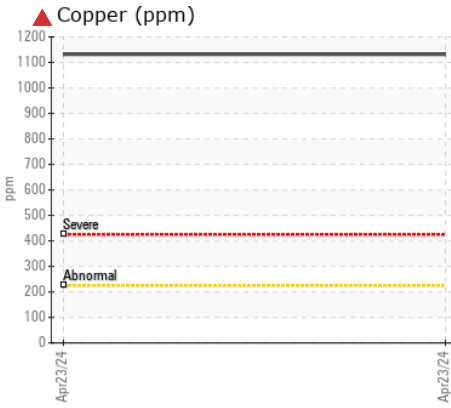
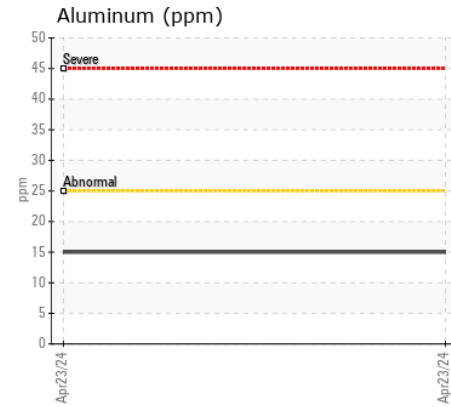
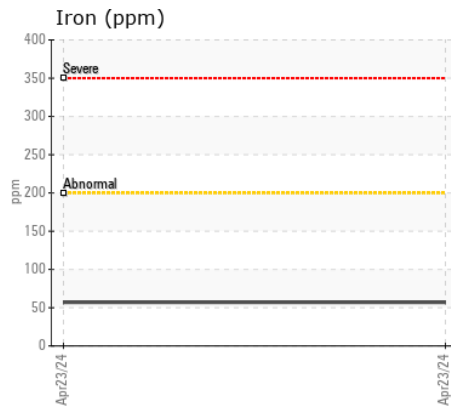
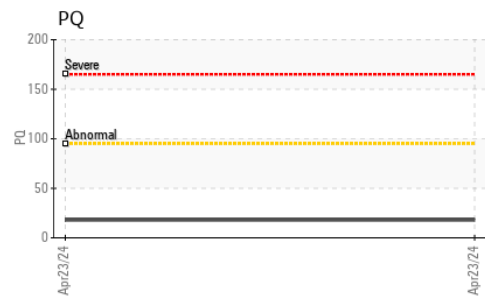
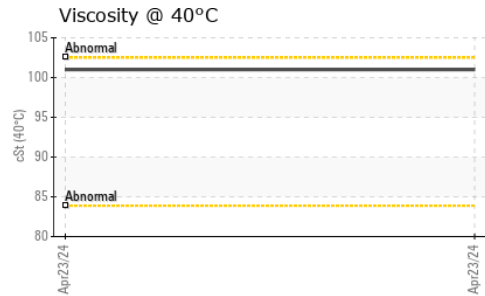
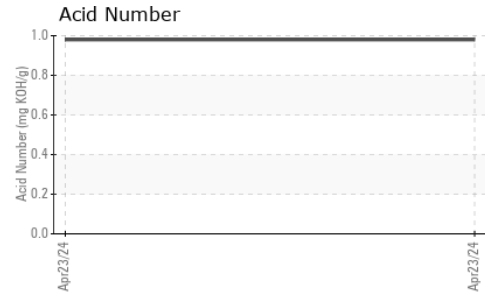
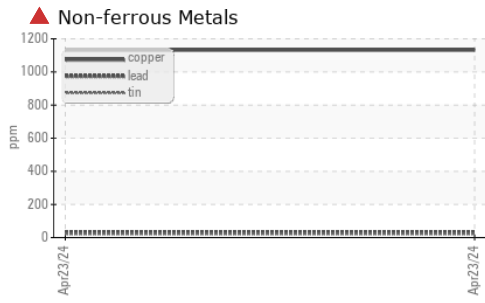
CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0019270	---	---
Sample Date		Client Info		23 Apr 2024	---	---
Machine Age	hrs	Client Info		893	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184*	>95	18	---	---
Iron	ppm	ASTM D5185(m)	>200	57	---	---
Chromium	ppm	ASTM D5185(m)	>5	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>7	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	15	---	---
Lead	ppm	ASTM D5185(m)	>45	33	---	---
Copper	ppm	ASTM D5185(m)	>225	▲ 1132	---	---
Tin	ppm	ASTM D5185(m)	>10	▲ 22	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>125	90	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	LIGHT	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185(m)		7	---	---
Boron	ppm	ASTM D5185(m)		316	---	---
Barium	ppm	ASTM D5185(m)		3	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		13	---	---
Magnesium	ppm	ASTM D5185(m)		126	---	---
Calcium	ppm	ASTM D5185(m)		2272	---	---
Phosphorus	ppm	ASTM D5185(m)		934	---	---
Zinc	ppm	ASTM D5185(m)		1191	---	---
Sulfur	ppm	ASTM D5185(m)		5661	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.98	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		101	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019270 **Received** : 29 Apr 2024
Lab Number : 02632003 **Tested** : 30 Apr 2024
Unique Number : 5773156 **Diagnosed** : 30 Apr 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ)

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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