



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
100023135 TORQUE ASSIST 3 DRIVE
 Component
Gearbox
 Fluid
CASTROL ALPHASYN PG 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0922013	WC0922022	---
Sample Date		Client Info		02 Apr 2024	02 Apr 2024	---
Machine Age	hrs	Client Info		1245	1245	---
Oil Age	hrs	Client Info		1245	1245	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	5	7	---
Chromium	ppm	ASTM D5185(m)	>15	0	0	---
Nickel	ppm	ASTM D5185(m)	>15	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	0	0	---
Lead	ppm	ASTM D5185(m)	>100	0	0	---
Copper	ppm	ASTM D5185(m)	>200	0	0	---
Tin	ppm	ASTM D5185(m)	>25	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

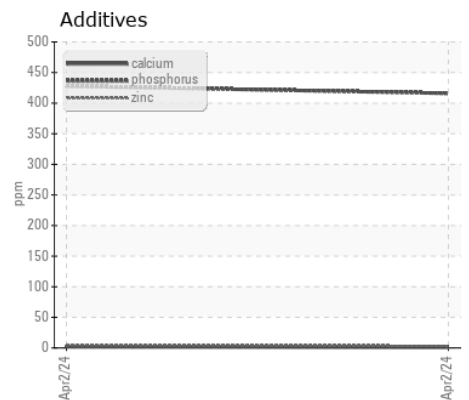
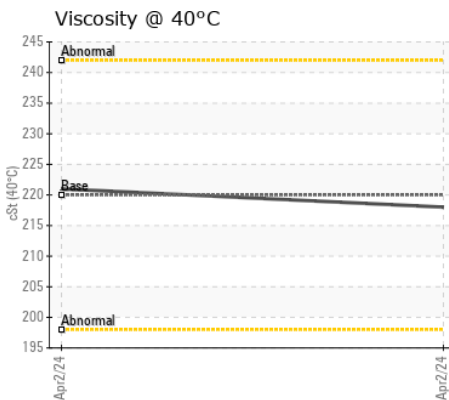
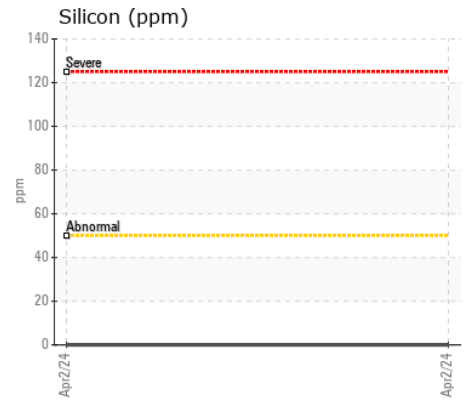
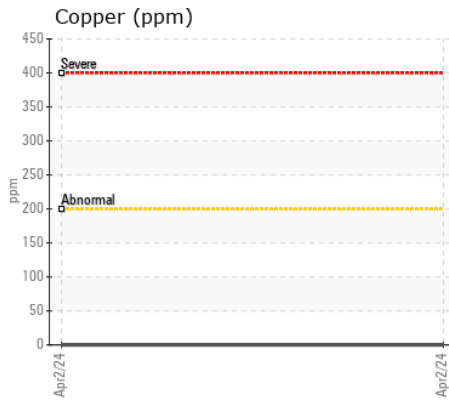
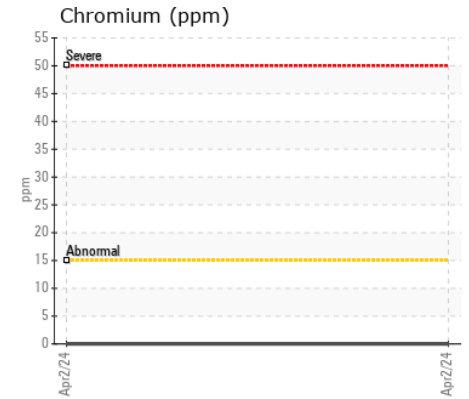
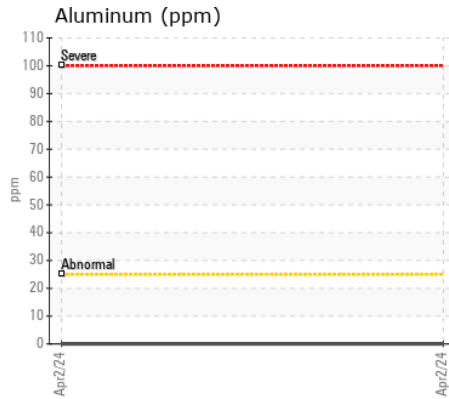
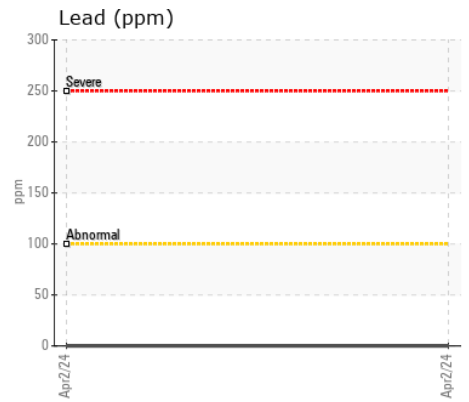
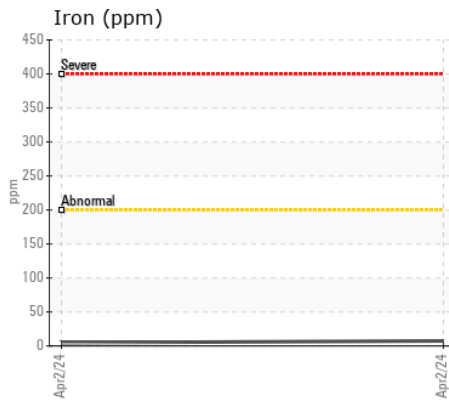
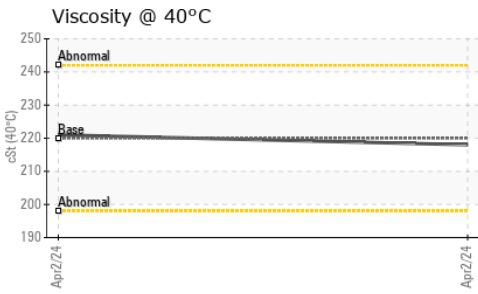
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	0	0	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	2	---
Boron	ppm	ASTM D5185(m)		28	25	---
Barium	ppm	ASTM D5185(m)		2	2	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		<1	<1	---
Calcium	ppm	ASTM D5185(m)		1	2	---
Phosphorus	ppm	ASTM D5185(m)		416	428	---
Zinc	ppm	ASTM D5185(m)		3	5	---
Sulfur	ppm	ASTM D5185(m)		4700	4839	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	218	221	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0922013 **Received** : 04 Apr 2024
Lab Number : 02626792 **Tested** : 04 Apr 2024
Unique Number : 5759924 **Diagnosed** : 04 Apr 2024 - Wes Davis
Test Package : MOB 1

Mount St. Louis Moonstone
 R.R. # 4,, 24 Mount St. Louis Road
 Coldwater, ON
 CA L0K 1E0
 Contact: Andre Huter
 a.huter@mslm.on.ca
 T: (705)835-2112
 F: (705)835-5967

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.