



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EPIROC MT65 TRK219
 Component
Transmission (Manual)
 Fluid
MOBIL 15W40 (--- 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.

WEAR

Copper ppm levels are abnormal. Clutch disc wear or oil cooler leaching indicated.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

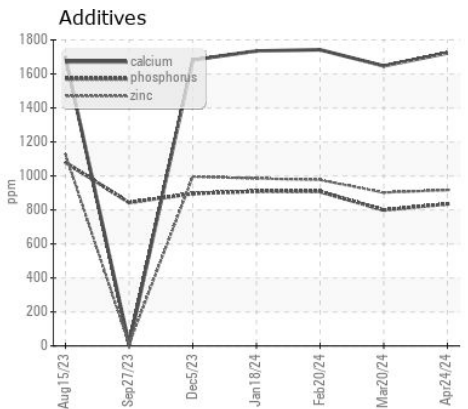
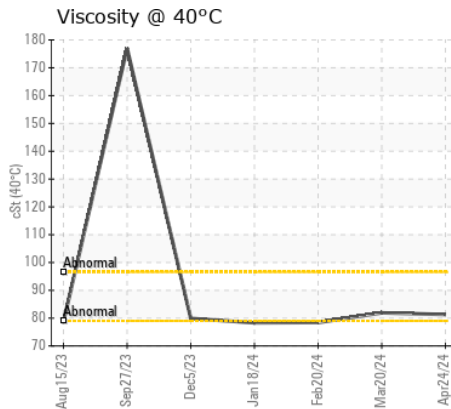
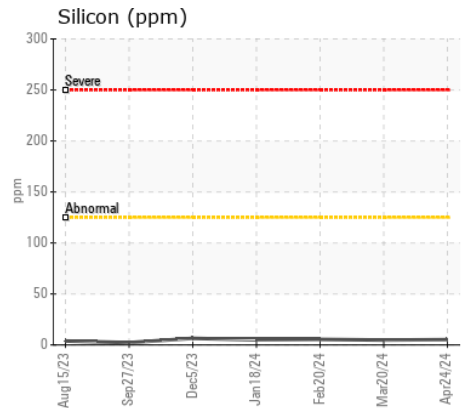
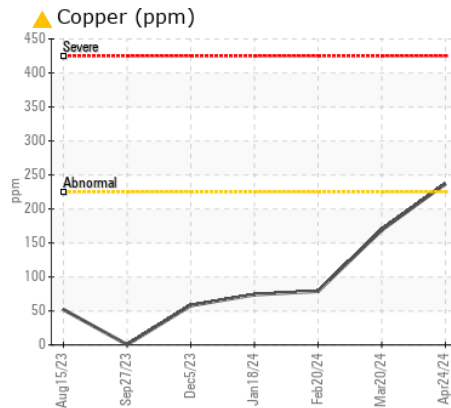
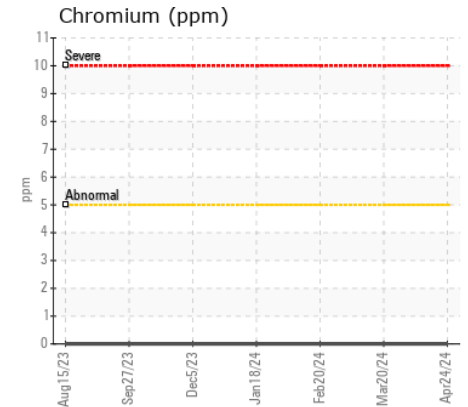
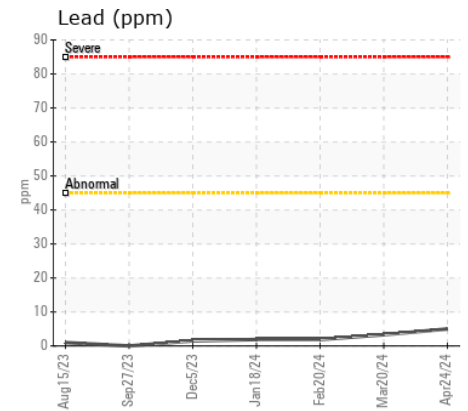
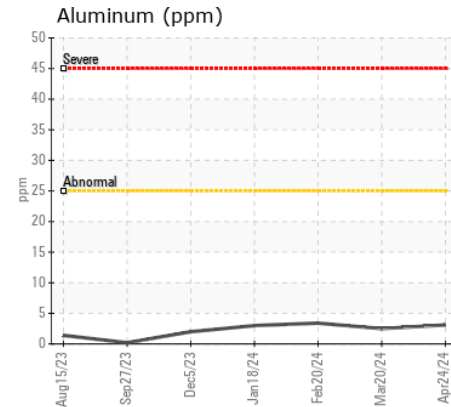
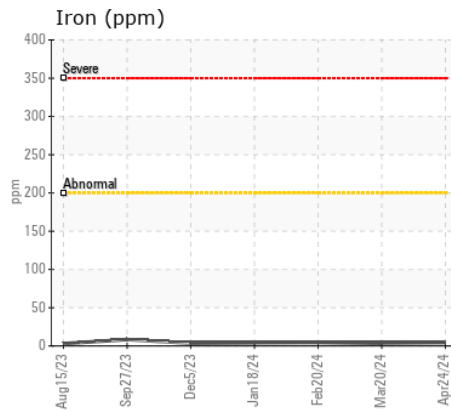
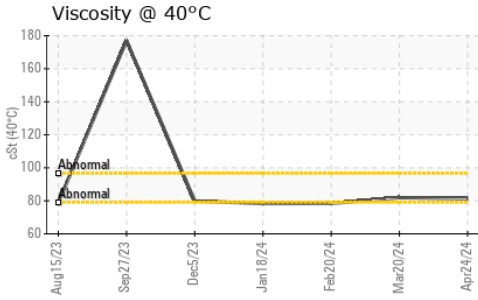
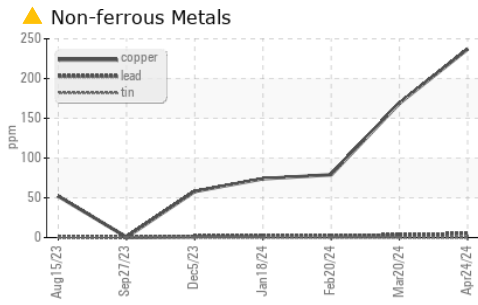
The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0925839	WC0916343	WC0904155
Sample Date		Client Info		24 Apr 2024	20 Mar 2024	20 Feb 2024
Machine Age	hrs	Client Info		0	8262	0
Oil Age	hrs	Client Info		0	500	0
Filter Age	hrs	Client Info		0	250	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185(m)	>200	4	4	4
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>7	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	3	2	3
Lead	ppm	ASTM D5185(m)	>45	5	3	2
Copper	ppm	ASTM D5185(m)	>225	▲ 237	169	79
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>125	5	5	6
Potassium	ppm	ASTM D5185(m)	>20	<1	1	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185(m)	>118	4	3	3
Boron	ppm	ASTM D5185(m)		76	75	92
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		36	35	33
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)		474	467	440
Calcium	ppm	ASTM D5185(m)		1723	1647	1742
Phosphorus	ppm	ASTM D5185(m)		835	799	908
Zinc	ppm	ASTM D5185(m)		917	902	976
Sulfur	ppm	ASTM D5185(m)		2508	2242	2688
Visc @ 40°C	cSt	ASTM D7279(m)		81.3	81.9	78.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0925839
Lab Number : 02632358
Unique Number : 5773511
Test Package : MOB 1

Received : 30 Apr 2024
Tested : 30 Apr 2024
Diagnosed : 30 Apr 2024 - Kevin Marson

Agnico Eagle Canada
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 Kirkland Lake, ON
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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.