



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**EPIROC MT65 TRK219**  
Component  
**Hydraulic System**  
Fluid  
**SHELL TELLUS S2 MX 46 (--- GAL)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

## WEAR

All component wear rates are normal.

## CONTAMINATION

The water content is negligible. There is no indication of any contamination in the component(unconfirmed).

## FLUID CONDITION

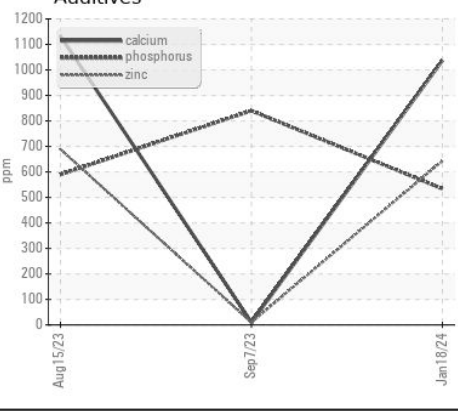
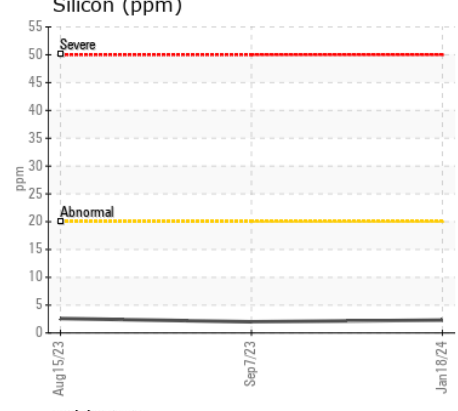
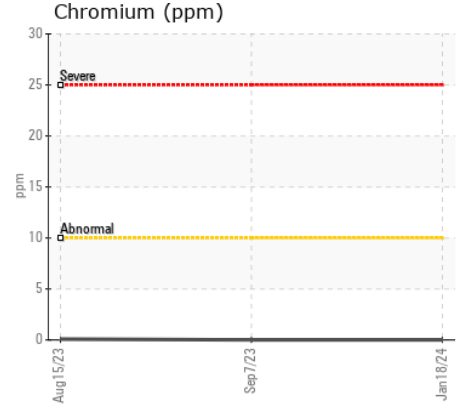
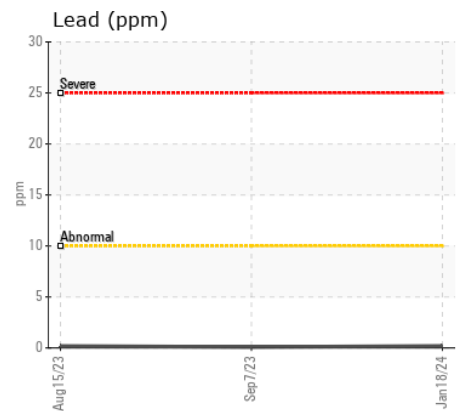
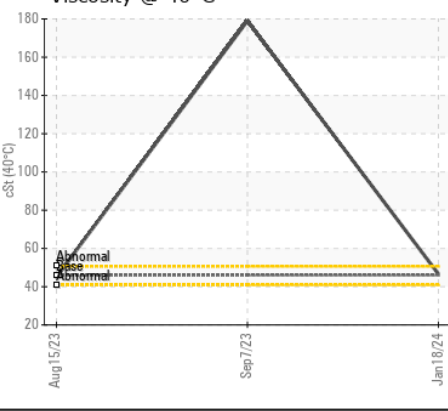
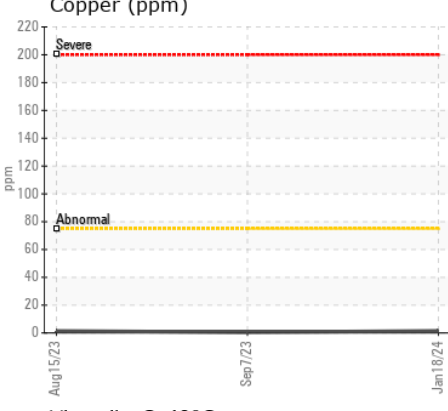
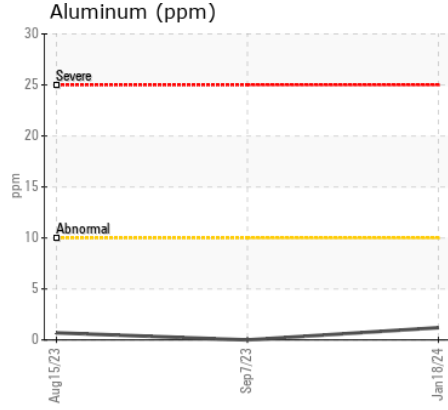
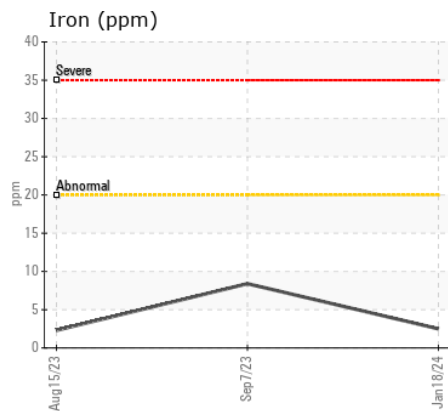
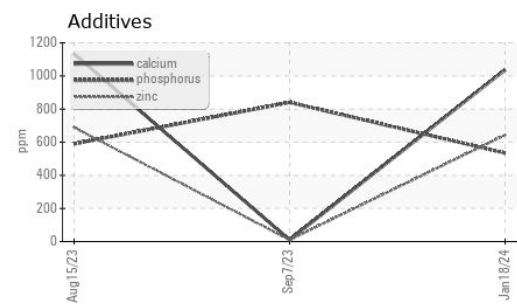
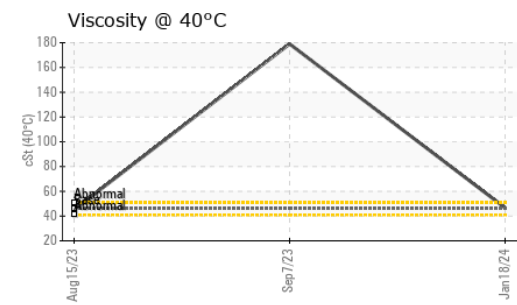
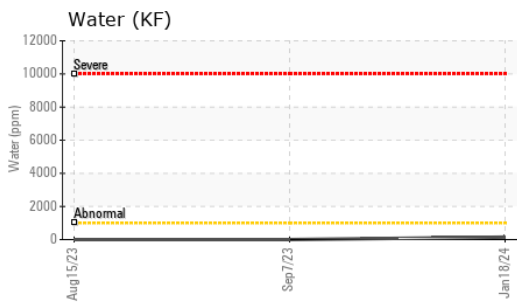
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0886057</b>	WC0750483	WC0750503
Sample Date		Client Info		<b>18 Jan 2024</b>	07 Sep 2023	15 Aug 2023
Machine Age	hrs	Client Info		<b>7736</b>	6884	6580
Oil Age	hrs	Client Info		<b>0</b>	1000	500
Filter Age	hrs	Client Info		<b>0</b>	250	500
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185(m)	>20	<b>2</b>	8	2
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	0	<1
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	<1	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>20	<b>2</b>	2	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water	%	ASTM D6304*	>0.1	<b>0.014</b>	---	---
ppm Water	ppm	ASTM D6304*	>1000	<b>149</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>.2%</b>	NEG	NEG

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)	0	<b>27</b>	74	32
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	70	<b>3</b>	<1	4
Calcium	ppm	ASTM D5185(m)	10	<b>1037</b>	10	1133
Phosphorus	ppm	ASTM D5185(m)	300	<b>534</b>	840	590
Zinc	ppm	ASTM D5185(m)	325	<b>643</b>	10	689
Sulfur	ppm	ASTM D5185(m)	665	<b>1919</b>	18027	1354
Visc @ 40°C	cSt	ASTM D7279(m)	46.0	<b>46.6</b>	▲ 179	▲ 45.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0886057 **Received** : 23 Jan 2024  
**Lab Number** : 02610624 **Diagnosed** : 25 Jan 2024  
**Unique Number** : 5711710 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KF )

**Agnico Eagle Canada**  
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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.