



# OIL ANALYSIS REPORT

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

Machine Id  
**EPIROC MT65 TRK220**  
Component  
**Front Left Planetary**  
Fluid  
**SAE 75W140 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0904151</b>	WC0770051	---
Sample Date		Client Info		<b>26 Feb 2024</b>	12 Sep 2023	---
Machine Age	hrs	Client Info		<b>6670</b>	0	---
Oil Age	hrs	Client Info		<b>500</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	N/A	---
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>45</b>	41	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>75	<b>1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

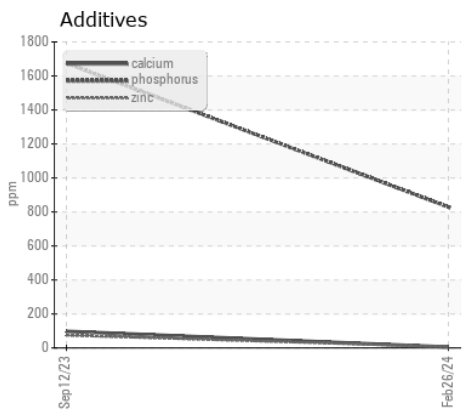
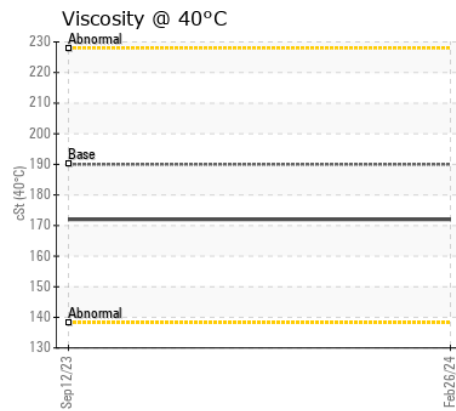
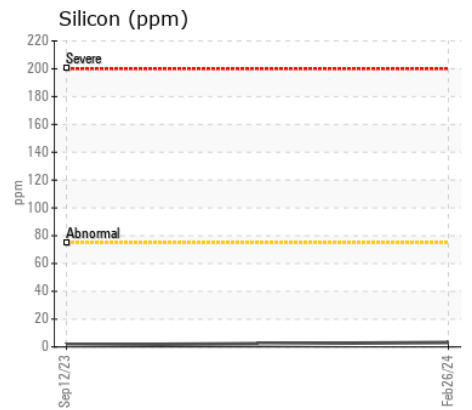
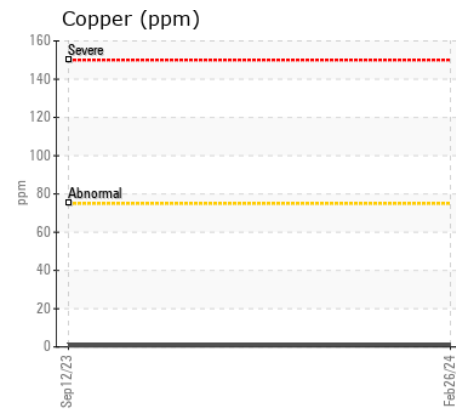
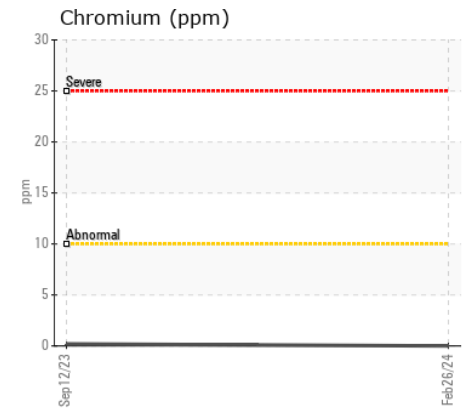
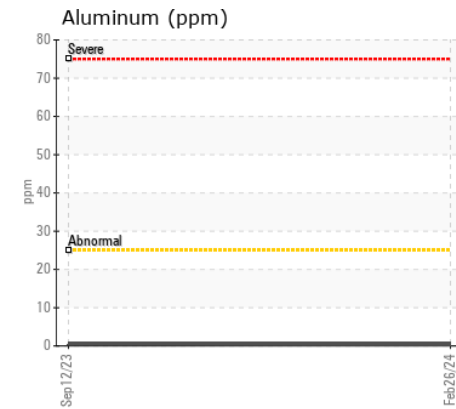
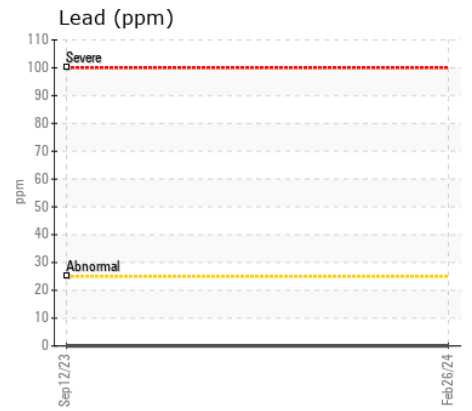
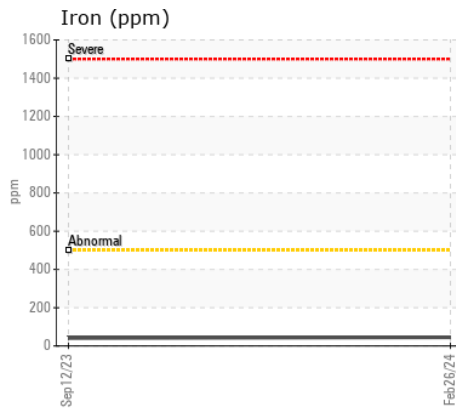
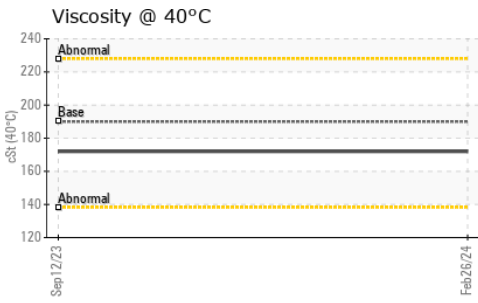
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<b>3</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Boron	ppm	ASTM D5185(m)		<b>124</b>	194	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185(m)		<b>5</b>	98	---
Phosphorus	ppm	ASTM D5185(m)		<b>829</b>	1675	---
Zinc	ppm	ASTM D5185(m)		<b>6</b>	74	---
Sulfur	ppm	ASTM D5185(m)		<b>17503</b>	22996	---
Visc @ 40°C	cSt	ASTM D7279(m)	190	<b>172</b>	172	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0904151 **Received** : 28 Feb 2024  
**Lab Number** : 02618778 **Tested** : 28 Feb 2024  
**Unique Number** : 5735888 **Diagnosed** : 28 Feb 2024 - Wes Davis  
**Test Package** : MOB 1

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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.