



# OIL ANALYSIS REPORT

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

Machine Id  
**EPIROC ST18 SCP203**  
 Component  
**Transmission (Auto)**  
 Fluid  
**ESSO ATF DEXTRONIII /MERCON (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0904169</b>	WC	WC0848078
Sample Date		Client Info		<b>15 Feb 2024</b>	15 Jan 2024	11 Aug 2023
Machine Age	hrs	Client Info		<b>534</b>	311	10010
Oil Age	hrs	Client Info		<b>534</b>	1000	1000
Filter Age	hrs	Client Info		<b>250</b>	250	250
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>160	<b>9</b>	15	31
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>2</b>	2	3
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185(m)	>225	<b>&lt;1</b>	2	4
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

## CONTAMINATION

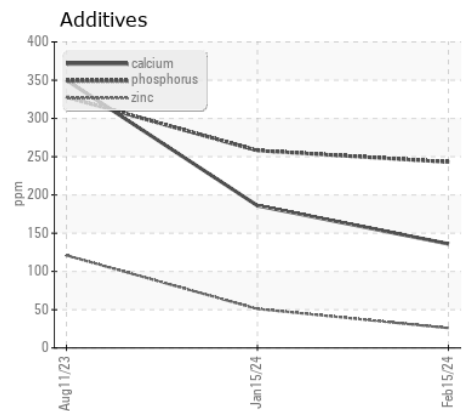
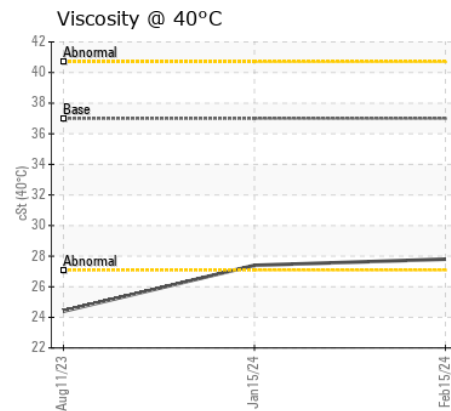
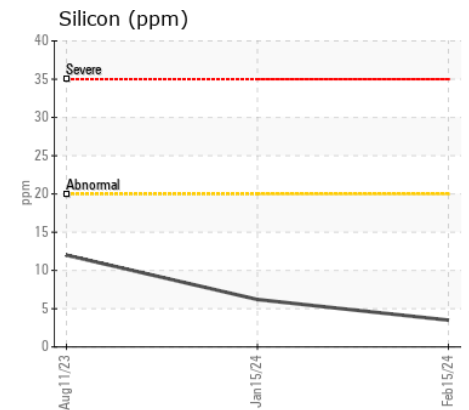
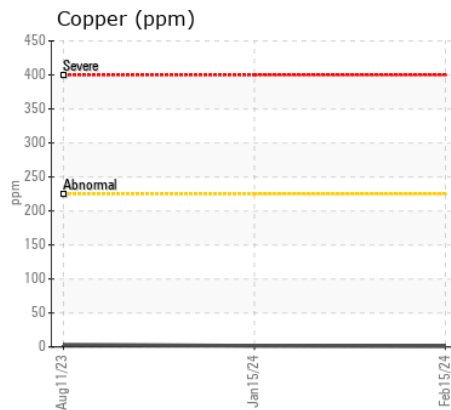
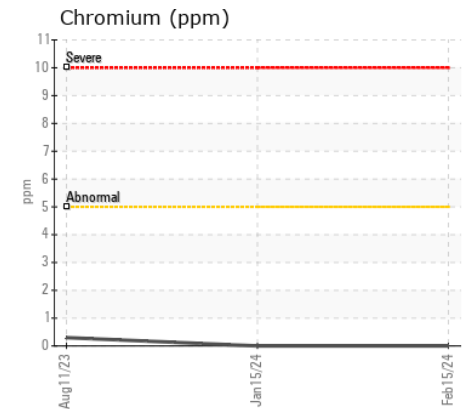
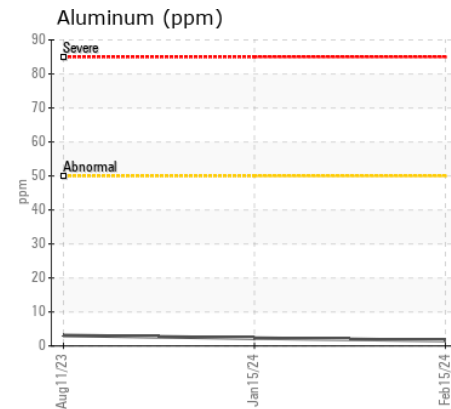
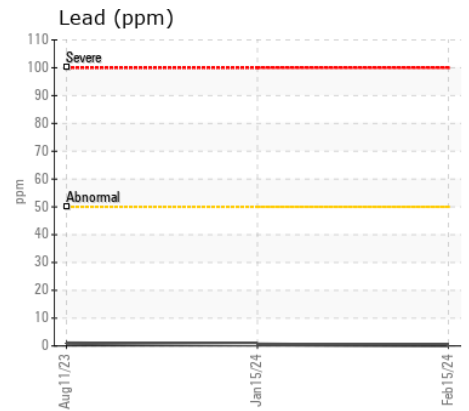
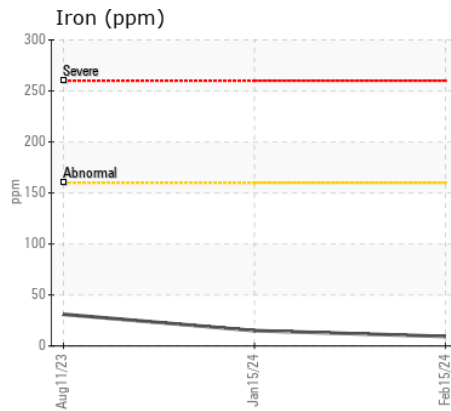
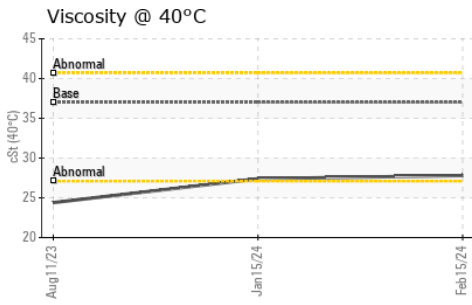
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	<b>4</b>	6	12
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	4	7
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	3	5
Boron	ppm	ASTM D5185(m)		<b>103</b>	93	85
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	2	3
Calcium	ppm	ASTM D5185(m)		<b>136</b>	186	350
Phosphorus	ppm	ASTM D5185(m)		<b>243</b>	258	328
Zinc	ppm	ASTM D5185(m)		<b>26</b>	51	121
Sulfur	ppm	ASTM D5185(m)		<b>871</b>	878	1021
Visc @ 40°C	cSt	ASTM D7279(m)	37	<b>27.8</b>	27.4	24.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0904169 **Received** : 21 Feb 2024  
**Lab Number** : 02617160 **Tested** : 22 Feb 2024  
**Unique Number** : 5734270 **Diagnosed** : 22 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.