



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0886055	WC0883825	WC0750476
Sample Date		Client Info		18 Jan 2024	05 Dec 2023	27 Sep 2023
Machine Age	hrs	Client Info		7736	7425	6884
Oil Age	hrs	Client Info		0	500	500
Filter Age	hrs	Client Info		0	250	250
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	4	4	8
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>7	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	3	2	<1
Lead	ppm	ASTM D5185(m)	>45	2	2	0
Copper	ppm	ASTM D5185(m)	>225	74	58	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

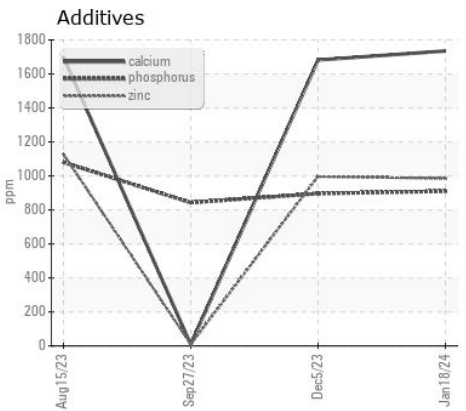
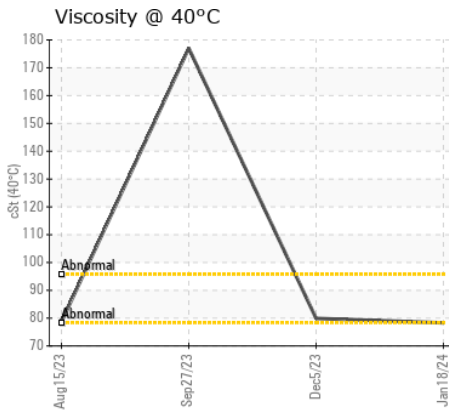
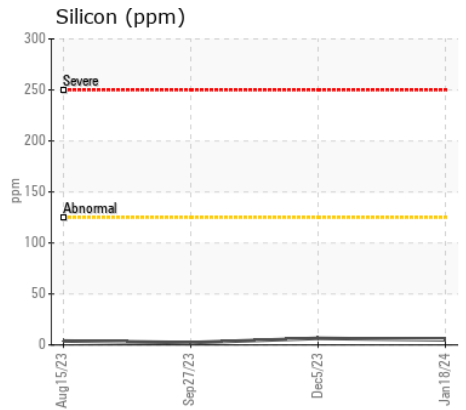
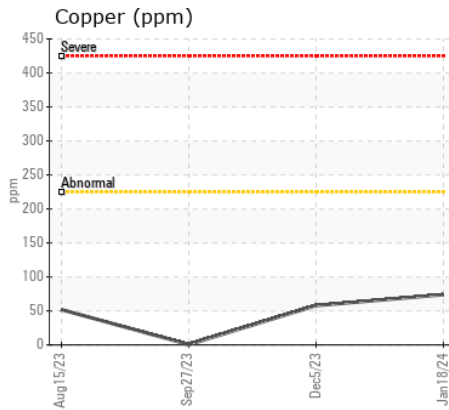
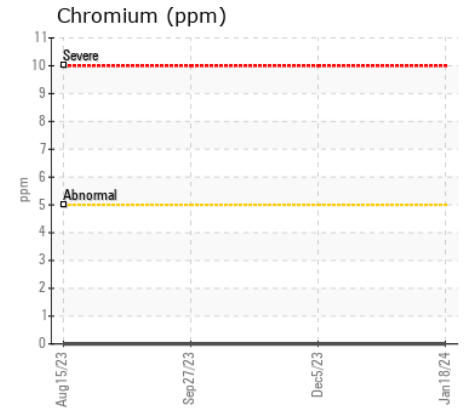
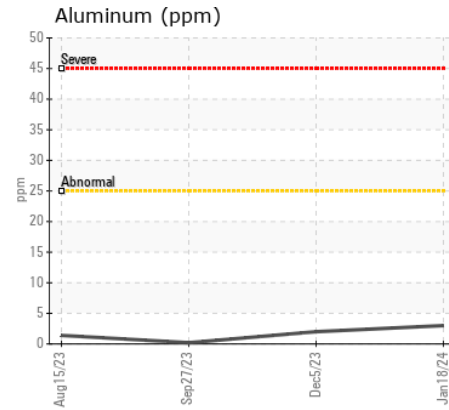
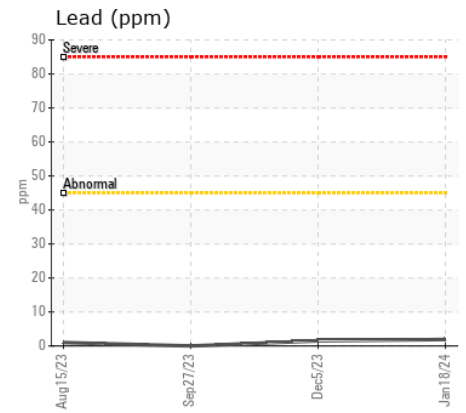
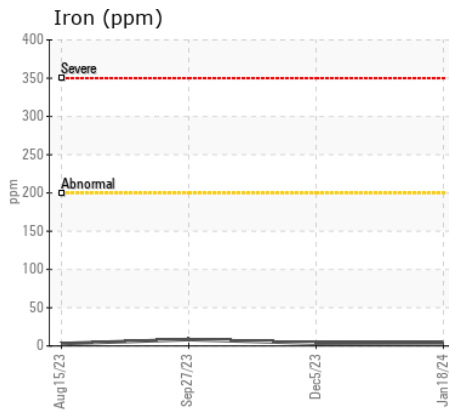
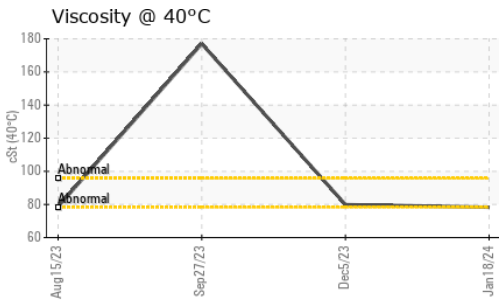
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	5	6	2
Potassium	ppm	ASTM D5185(m)	>20	2	2	1
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>118	3	3	2
Boron	ppm	ASTM D5185(m)		91	94	75
Barium	ppm	ASTM D5185(m)		0	<1	<1
Molybdenum	ppm	ASTM D5185(m)		32	32	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		436	431	▲ 2
Calcium	ppm	ASTM D5185(m)		1735	1682	▲ 9
Phosphorus	ppm	ASTM D5185(m)		910	896	843
Zinc	ppm	ASTM D5185(m)		985	996	▲ 10
Sulfur	ppm	ASTM D5185(m)		2713	2516	▲ 18028
Visc @ 40°C	cSt	ASTM D7279(m)		78.3	79.9	▲ 177



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0886055 **Received** : 23 Jan 2024
Lab Number : 02610640 **Diagnosed** : 23 Jan 2024
Unique Number : 5711726 **Diagnostician** : 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.