



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[WO46747]
 Machine Id
EPIROC TMG22SED0499
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197642	JR0190509	JR0185967
Sample Date		Client Info		08 Jan 2024	31 Oct 2023	06 Sep 2023
Machine Age	hrs	Client Info		1272	1016	784
Oil Age	hrs	Client Info		0	1016	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	None	Not Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184		237	7	107
Iron	ppm	ASTM D5185m	>500	127	2	77
Chromium	ppm	ASTM D5185m	>10	2	0	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>25	▲ 124	0	▲ 100
Copper	ppm	ASTM D5185m	>50	10	0	6
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

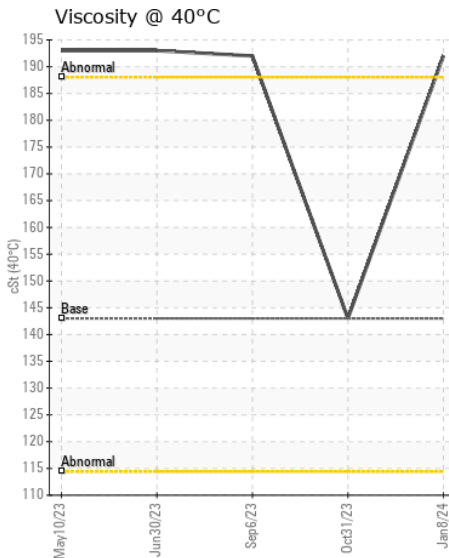
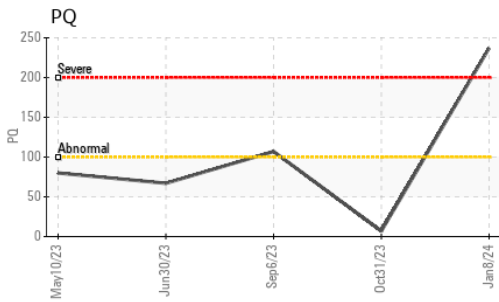
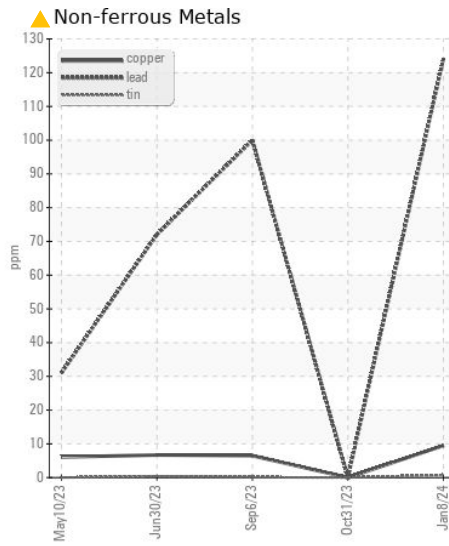
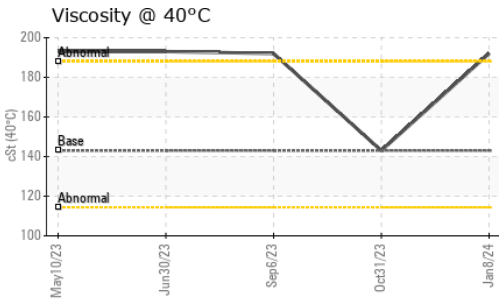
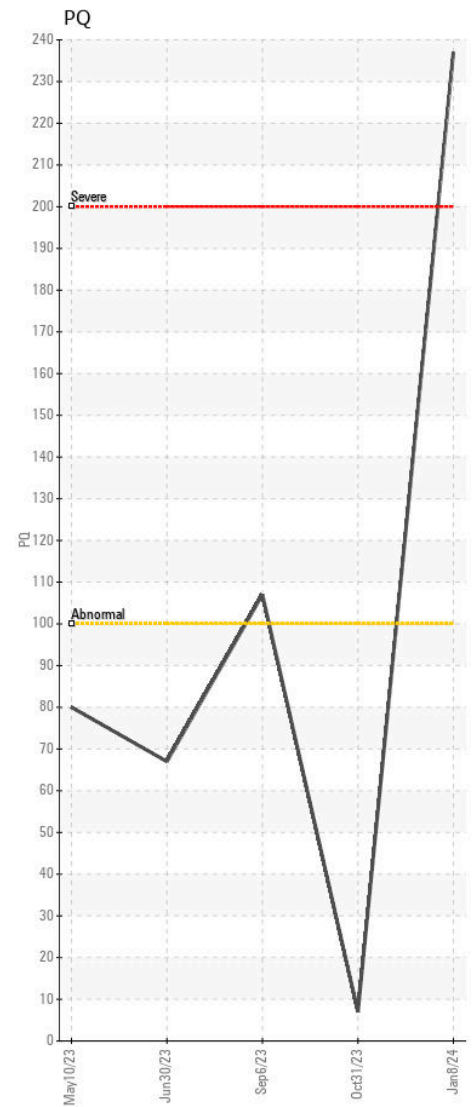
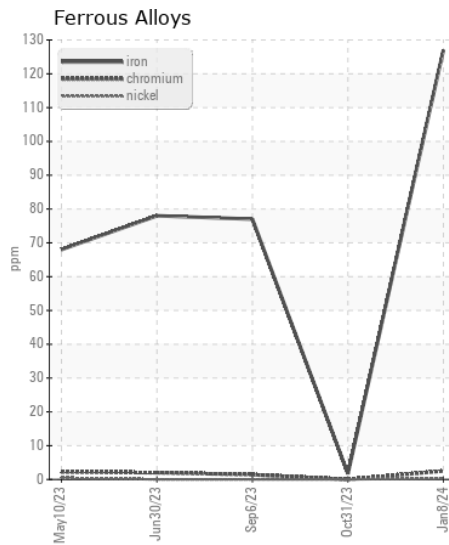
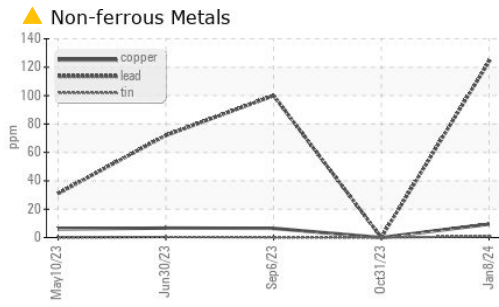
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	2	<1	4
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	3	<1	2
Boron	ppm	ASTM D5185m	400	5	0	3
Barium	ppm	ASTM D5185m	200	10	0	0
Molybdenum	ppm	ASTM D5185m	12	0	<1	0
Manganese	ppm	ASTM D5185m		4	0	3
Magnesium	ppm	ASTM D5185m	12	3	0	0
Calcium	ppm	ASTM D5185m	150	6	4	4
Phosphorus	ppm	ASTM D5185m	1650	146	278	168
Zinc	ppm	ASTM D5185m	125	34	3	20
Sulfur	ppm	ASTM D5185m	22500	8624	17383	11400
Visc @ 40°C	cSt	ASTM D445	143	192	143	192



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197642 **Received** : 12 Jan 2024
Lab Number : 06059557 **Diagnosed** : 16 Jan 2024
Unique Number : 10830939 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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