



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

Machine Id  
**EPIROC TMG22SED0499**

Component  
**Left 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.

### WEAR

Bearing and/or bushing wear is indicated.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

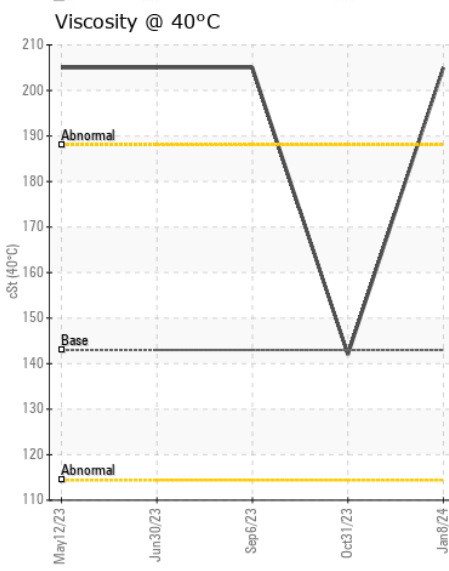
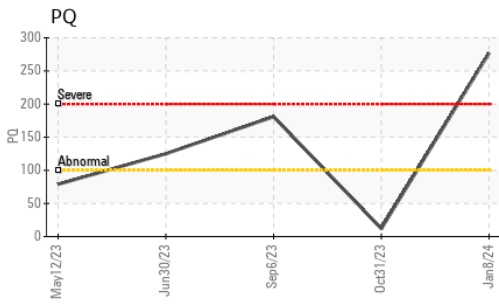
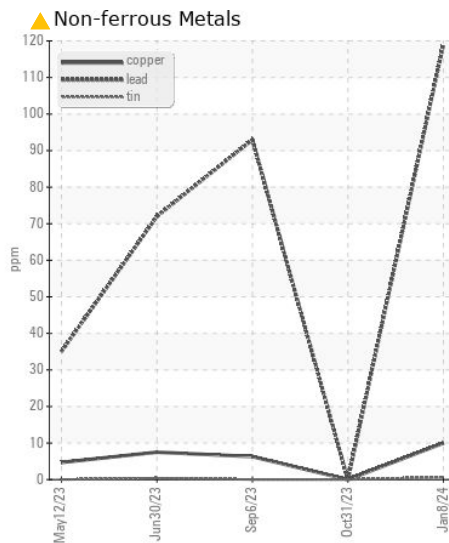
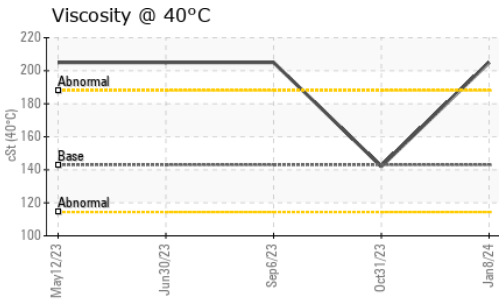
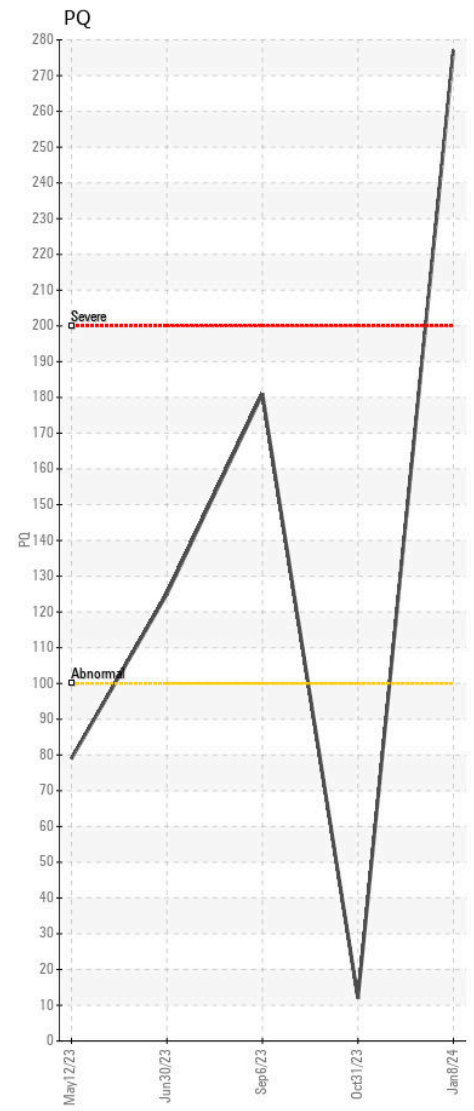
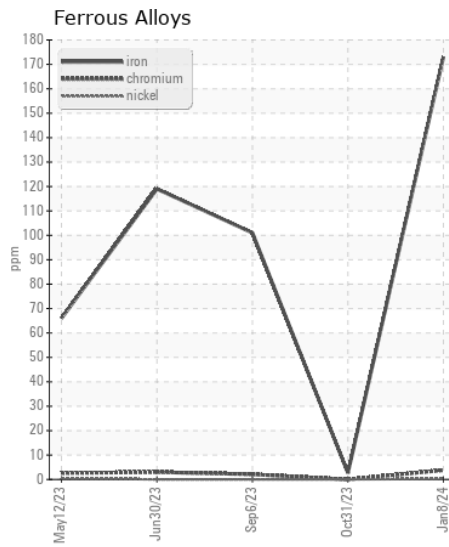
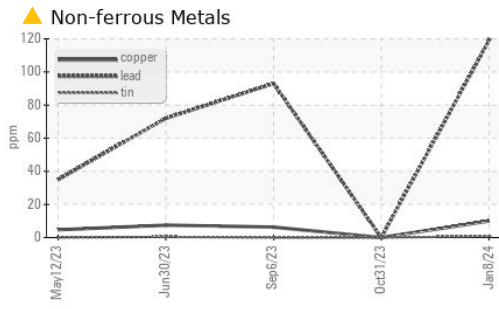
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197643</b>	JR0190508	JR0185966
Sample Date		Client Info		<b>08 Jan 2024</b>	31 Oct 2023	06 Sep 2023
Machine Age	hrs	Client Info		<b>1272</b>	1016	784
Oil Age	hrs	Client Info		<b>0</b>	1016	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	None	Not Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

PQ		ASTM D8184		<b>277</b>	12	181
Iron	ppm	ASTM D5185m	>500	<b>173</b>	3	101
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	0	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>▲ 119</b>	0	▲ 93
Copper	ppm	ASTM D5185m	>50	<b>10</b>	0	6
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

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

Sodium	ppm	ASTM D5185m	>170	<b>3</b>	<1	2
Boron	ppm	ASTM D5185m	400	<b>5</b>	0	2
Barium	ppm	ASTM D5185m	200	<b>9</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>5</b>	0	3
Magnesium	ppm	ASTM D5185m	12	<b>2</b>	0	0
Calcium	ppm	ASTM D5185m	150	<b>6</b>	2	3
Phosphorus	ppm	ASTM D5185m	1650	<b>145</b>	284	134
Zinc	ppm	ASTM D5185m	125	<b>40</b>	2	22
Sulfur	ppm	ASTM D5185m	22500	<b>8760</b>	17736	11008
Visc @ 40°C	cSt	ASTM D445	143	<b>205</b>	142	205



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197643 **Received** : 12 Jan 2024  
**Lab Number** : 06059556 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10830938 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**WAKE STONE CORP**  
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 KNIGHTDALE, NC  
 US 27545  
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 T:  
 F:

Certificate L2367  
 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)