



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

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### WEAR

Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

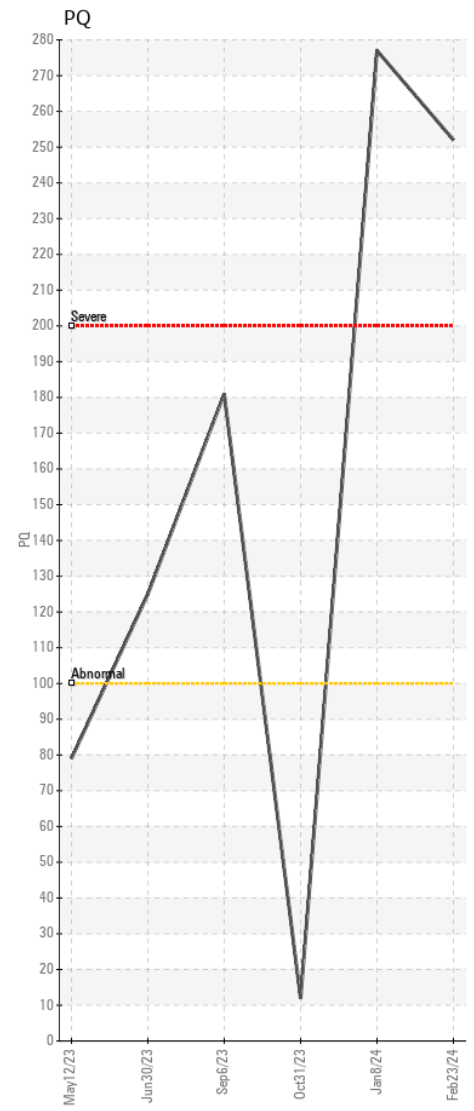
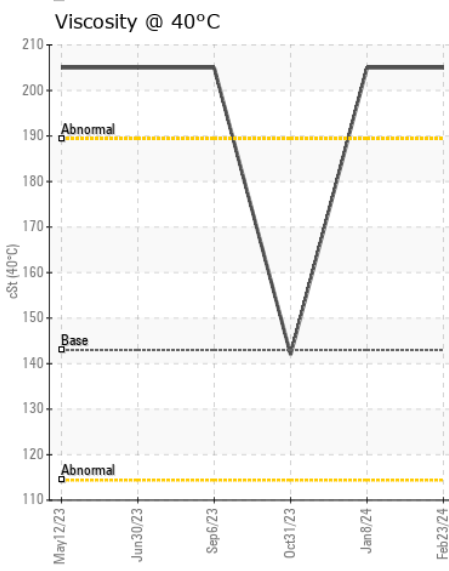
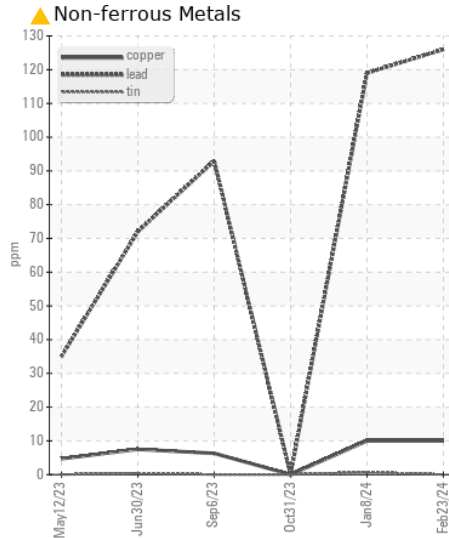
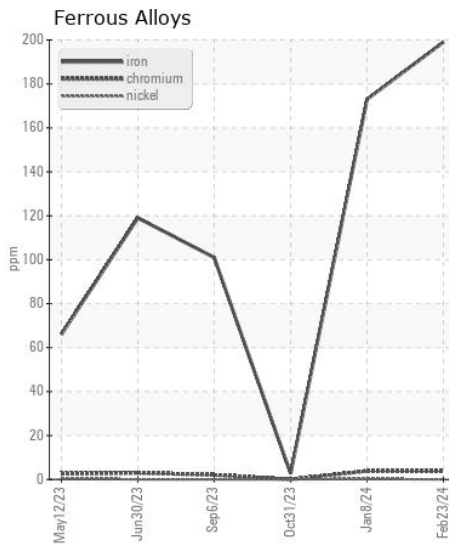
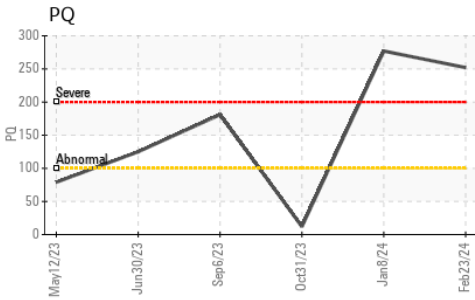
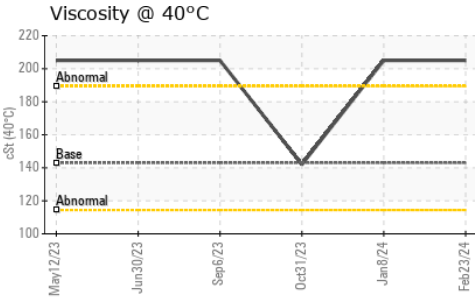
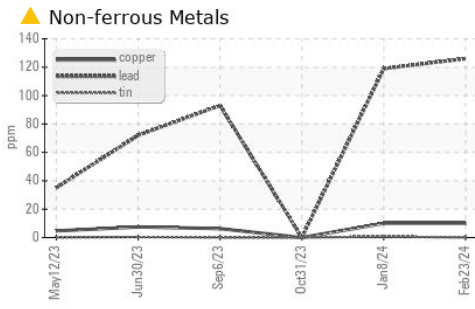
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0202360</b>	JR0197643	JR0190508
Sample Date		Client Info		<b>23 Feb 2024</b>	08 Jan 2024	31 Oct 2023
Machine Age	hrs	Client Info		<b>1528</b>	1272	1016
Oil Age	hrs	Client Info		<b>1528</b>	0	1016
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	None
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

PQ		ASTM D8184		<b>252</b>	277	12
Iron	ppm	ASTM D5185m	>500	<b>199</b>	173	3
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	4	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	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	0
Lead	ppm	ASTM D5185m	>25	<b>▲ 126</b>	▲ 119	0
Copper	ppm	ASTM D5185m	>50	<b>10</b>	10	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>3</b>	2	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</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>	3	<1
Boron	ppm	ASTM D5185m	400	<b>5</b>	5	0
Barium	ppm	ASTM D5185m	200	<b>9</b>	9	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>4</b>	5	0
Magnesium	ppm	ASTM D5185m	12	<b>0</b>	2	0
Calcium	ppm	ASTM D5185m	150	<b>6</b>	6	2
Phosphorus	ppm	ASTM D5185m	1650	<b>143</b>	145	284
Zinc	ppm	ASTM D5185m	125	<b>39</b>	40	2
Sulfur	ppm	ASTM D5185m	22500	<b>9128</b>	8760	17736
Visc @ 40°C	cSt	ASTM D445	143	<b>205</b>	205	142



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0202360 **Received** : 29 Feb 2024  
**Lab Number** : 06104621 **Tested** : 01 Mar 2024  
**Unique Number** : 10902851 **Diagnosed** : 04 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**WAKE STONE CORP**  
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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)