



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EPIROC TMG22SED0499

Component
Right 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.

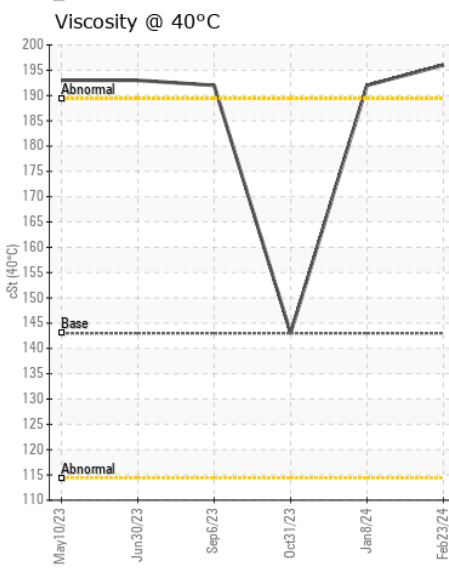
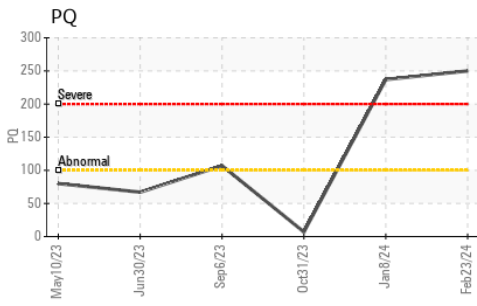
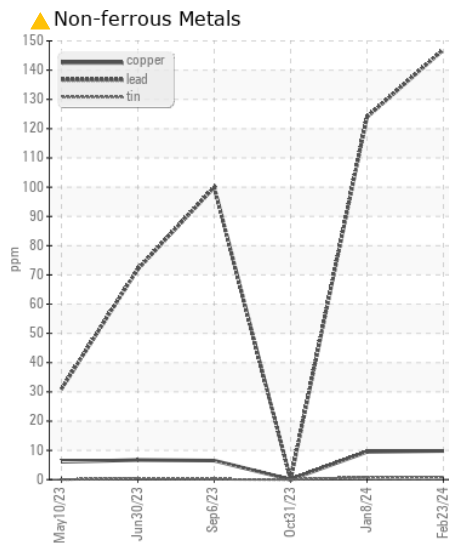
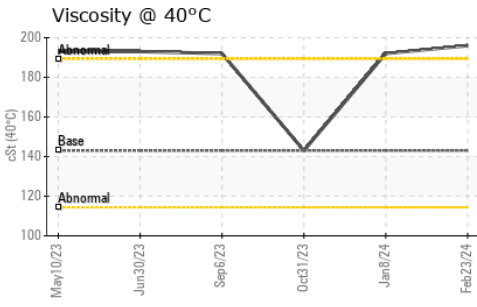
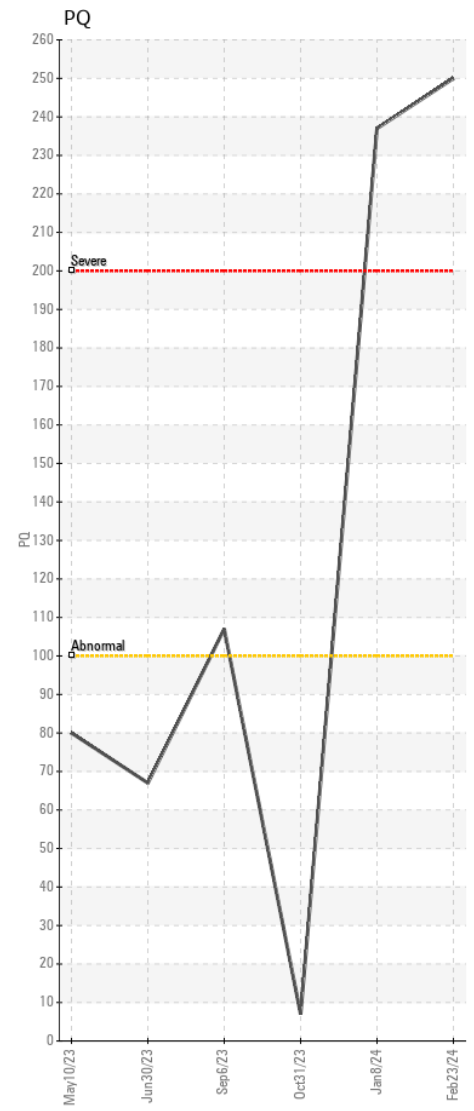
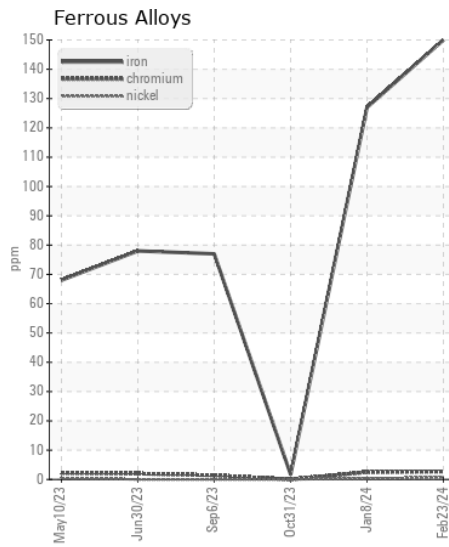
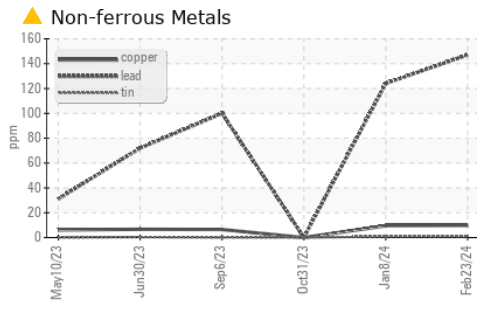
CONTAMINATION

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		JR0202359	JR0197642	JR0190509
Sample Date		Client Info		23 Feb 2024	08 Jan 2024	31 Oct 2023
Machine Age	hrs	Client Info		1528	1272	1016
Oil Age	hrs	Client Info		1528	0	1016
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	None
Sample Status				ABNORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184		250	237	7
Iron	ppm	ASTM D5185m	>500	150	127	2
Chromium	ppm	ASTM D5185m	>10	3	2	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>25	▲ 147	▲ 124	0
Copper	ppm	ASTM D5185m	>50	10	10	0
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	1	2	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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
Sodium	ppm	ASTM D5185m	>170	2	3	<1
Boron	ppm	ASTM D5185m	400	2	5	0
Barium	ppm	ASTM D5185m	200	10	10	0
Molybdenum	ppm	ASTM D5185m	12	0	0	<1
Manganese	ppm	ASTM D5185m		4	4	0
Magnesium	ppm	ASTM D5185m	12	1	3	0
Calcium	ppm	ASTM D5185m	150	5	6	4
Phosphorus	ppm	ASTM D5185m	1650	119	146	278
Zinc	ppm	ASTM D5185m	125	36	34	3
Sulfur	ppm	ASTM D5185m	22500	10066	8624	17383
Visc @ 40°C	cSt	ASTM D445	143	196	192	143



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202359 **Received** : 29 Feb 2024
Lab Number : 06104622 **Tested** : 01 Mar 2024
Unique Number : 10902852 **Diagnosed** : 04 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

WAKE STONE CORP
 6811 HWY 64 EAST
 KNIGHTDALE, NC
 US 27545
 Contact: PAUL SPRUILL
 paulspruill@wakestonecorp.com

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)