



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
V118
 Component
Front Differential
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

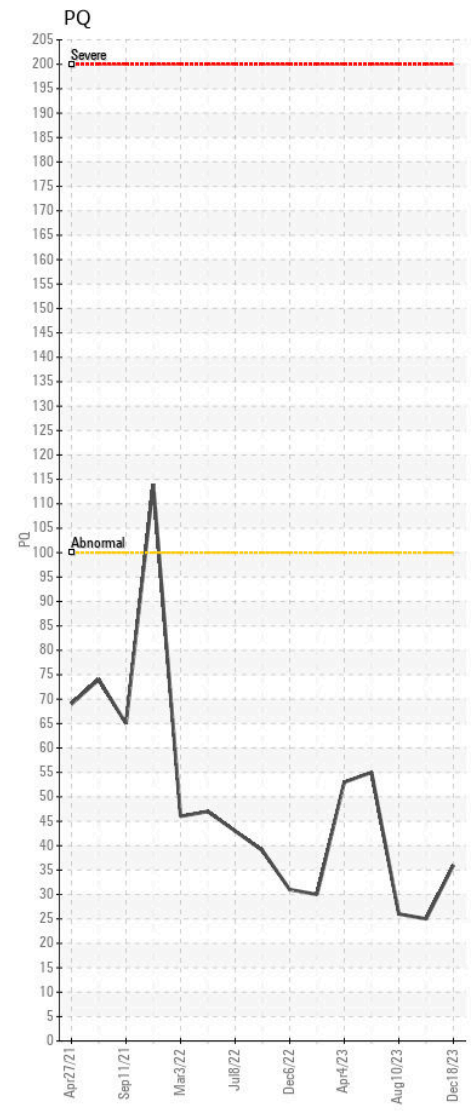
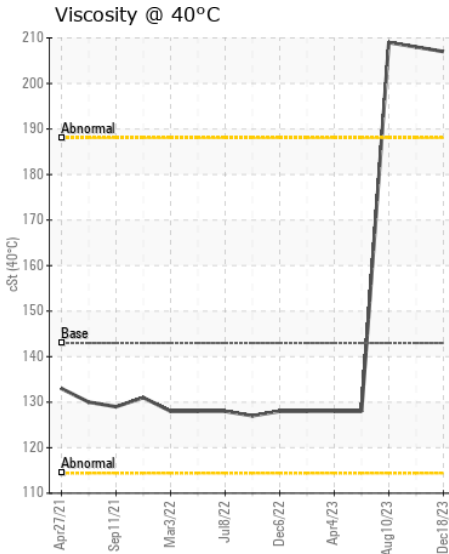
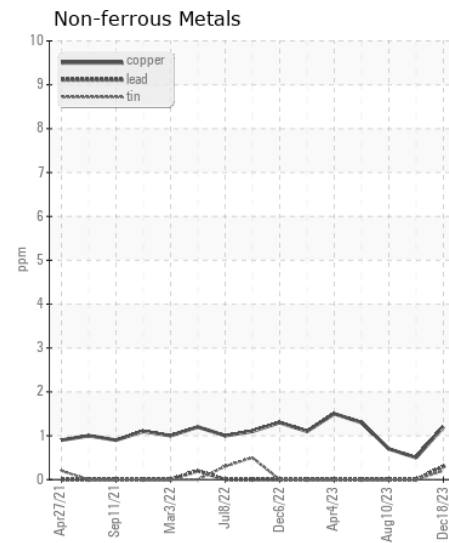
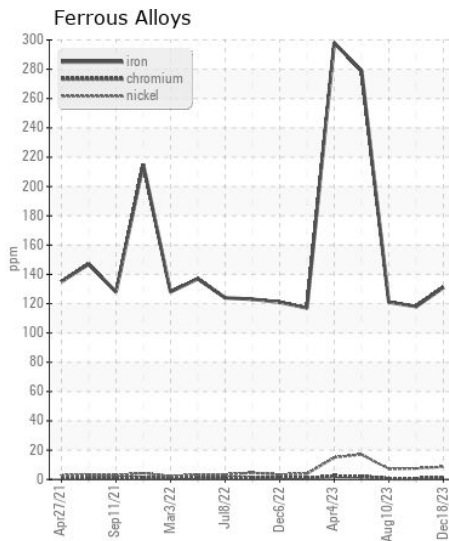
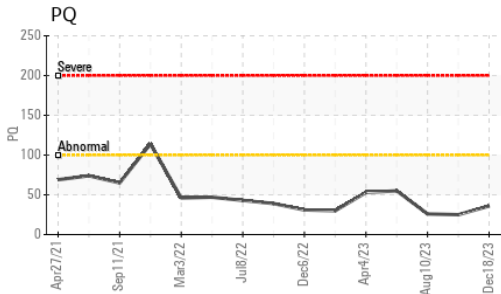
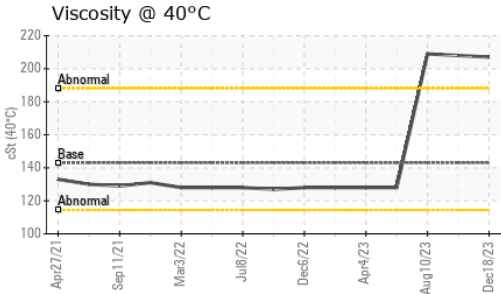
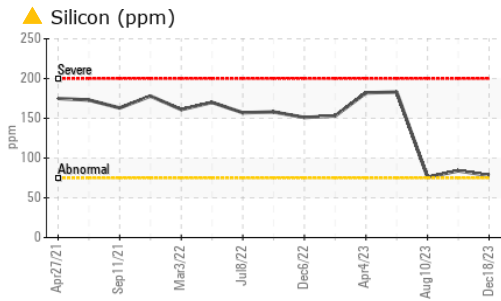
Confirm oil type. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0178486	JR0178557	JR0144793
Sample Date		Client Info		18 Dec 2023	20 Oct 2023	10 Aug 2023
Machine Age	hrs	Client Info		4175	3902	3574
Oil Age	hrs	Client Info		851	578	250
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

PQ		ASTM D8184		36	25	26
Iron	ppm	ASTM D5185m	>500	131	118	121
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	9	8	7
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	2
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 78	▲ 84	▲ 76
Potassium	ppm	ASTM D5185m	>20	3	0	1
Water		WC Method	>.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	>.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m	>170	0	2	3
Boron	ppm	ASTM D5185m	400	269	264	302
Barium	ppm	ASTM D5185m	200	8	0	0
Molybdenum	ppm	ASTM D5185m	12	<1	0	0
Manganese	ppm	ASTM D5185m		3	2	3
Magnesium	ppm	ASTM D5185m	12	4	1	4
Calcium	ppm	ASTM D5185m	150	8	9	9
Phosphorus	ppm	ASTM D5185m	1650	968	1061	991
Zinc	ppm	ASTM D5185m	125	8	11	9
Sulfur	ppm	ASTM D5185m	22500	20437	19259	22554
Visc @ 40°C	cSt	ASTM D445	143	207	208	209



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0178486 **Received** : 08 Jan 2024
Lab Number : 06054273 **Diagnosed** : 09 Jan 2024
Unique Number : 10820222 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 ROCK HILL, SC
 US 29732
 Contact: Tad Clinton
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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)