



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
5051
 Component
Right Final Drive
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

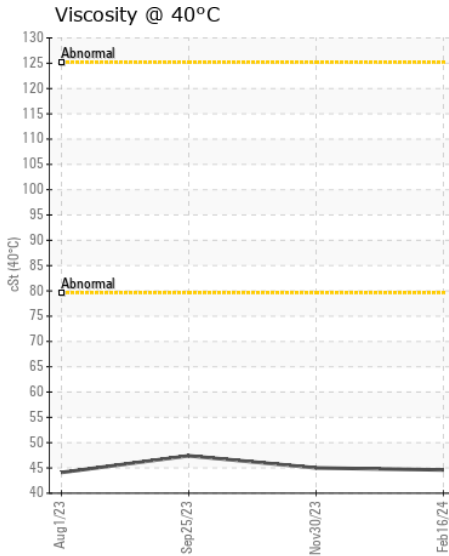
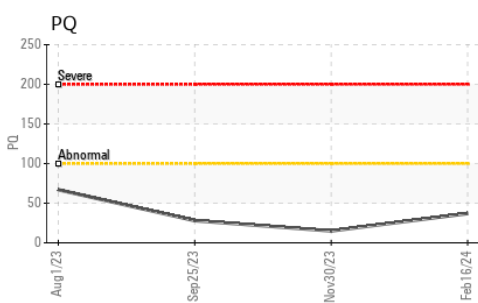
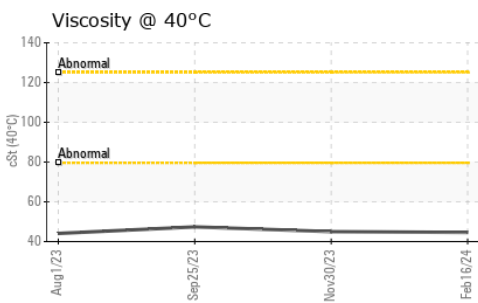
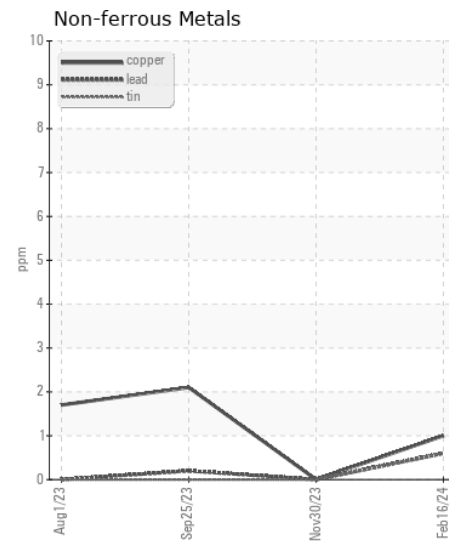
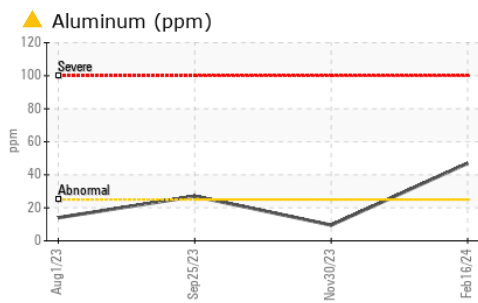
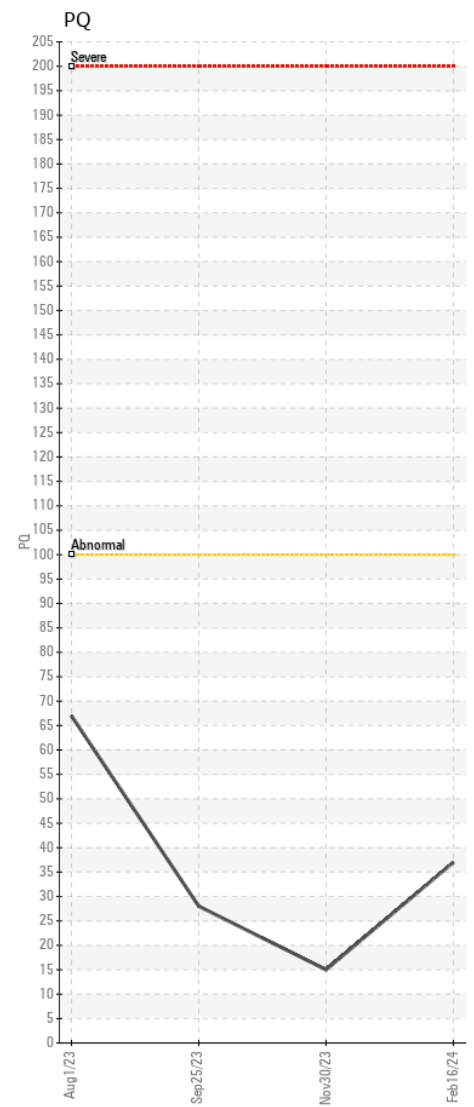
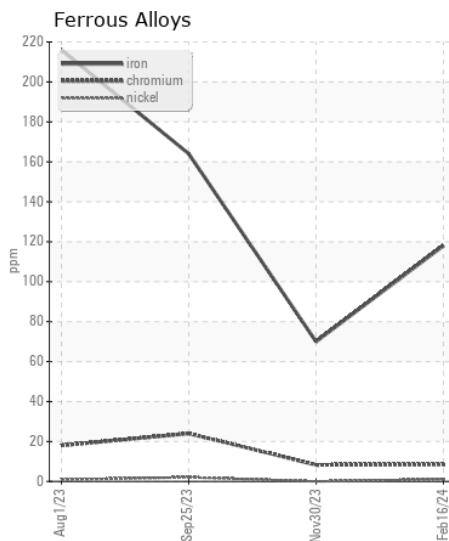
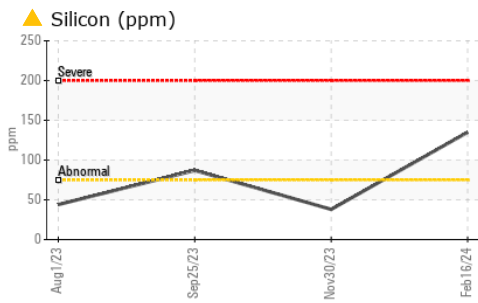
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195532	JR0195083	JR0170110
Sample Date		Client Info		16 Feb 2024	30 Nov 2023	25 Sep 2023
Machine Age	hrs	Client Info		1772	1389	970
Oil Age	hrs	Client Info		500	500	1000
Filter Age	hrs	Client Info		500	500	1000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

PQ		ASTM D8184		37	15	28
Iron	ppm	ASTM D5185m	>500	118	70	164
Chromium	ppm	ASTM D5185m	>10	8	8	▲ 24
Nickel	ppm	ASTM D5185m	>10	1	0	2
Titanium	ppm	ASTM D5185m		4	<1	2
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	▲ 47	10	▲ 27
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	1	0	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 135	38	▲ 87
Potassium	ppm	ASTM D5185m	>20	13	0	6
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

Sodium	ppm	ASTM D5185m		<1	2	7
Boron	ppm	ASTM D5185m		<1	0	<1
Barium	ppm	ASTM D5185m		5	0	0
Molybdenum	ppm	ASTM D5185m		2	<1	3
Manganese	ppm	ASTM D5185m		3	<1	4
Magnesium	ppm	ASTM D5185m		8	2	9
Calcium	ppm	ASTM D5185m		92	101	178
Phosphorus	ppm	ASTM D5185m		102	189	840
Zinc	ppm	ASTM D5185m		31	140	1243
Sulfur	ppm	ASTM D5185m		1286	1478	4709
Visc @ 40°C	cSt	ASTM D445		44.6	45.0	47.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195532 **Received** : 22 Feb 2024
Lab Number : 06097969 **Tested** : 23 Feb 2024
Unique Number : 10896199 **Diagnosed** : 25 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)