



WEAR	ABNORMAL
CONTAMINATION	SEVERE
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. We recommend an early resample to monitor this condition.

WEAR

The chromium level is abnormal. All other component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

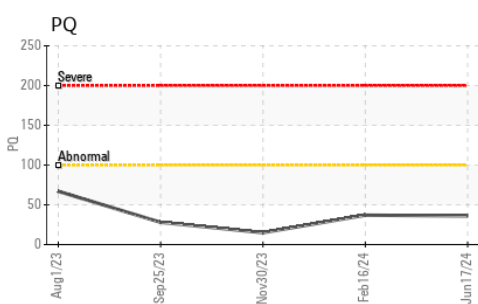
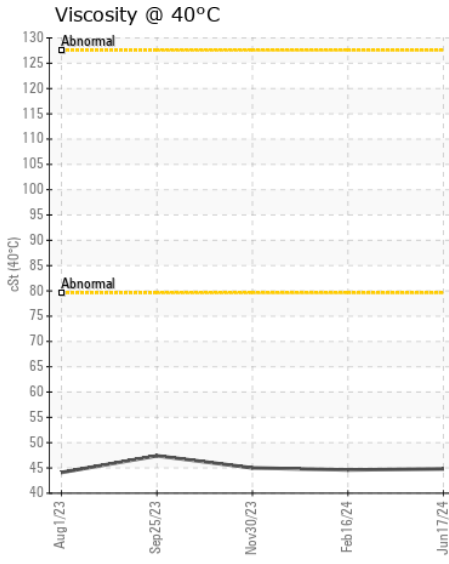
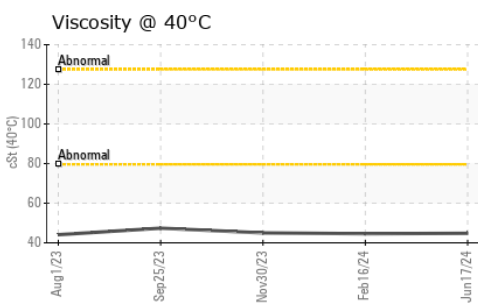
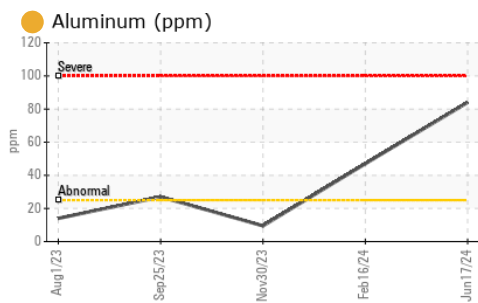
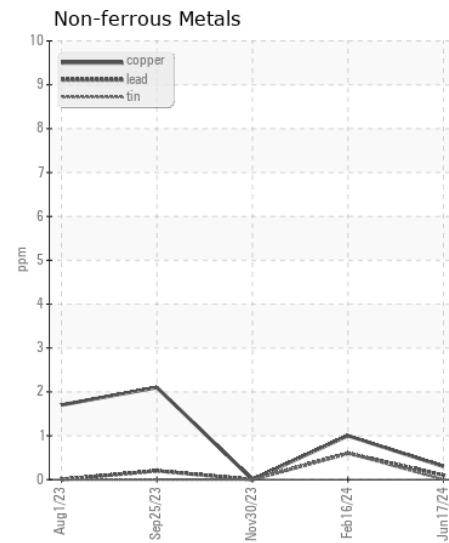
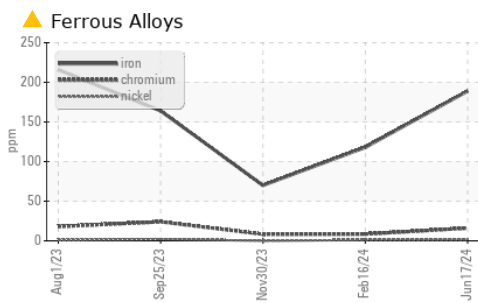
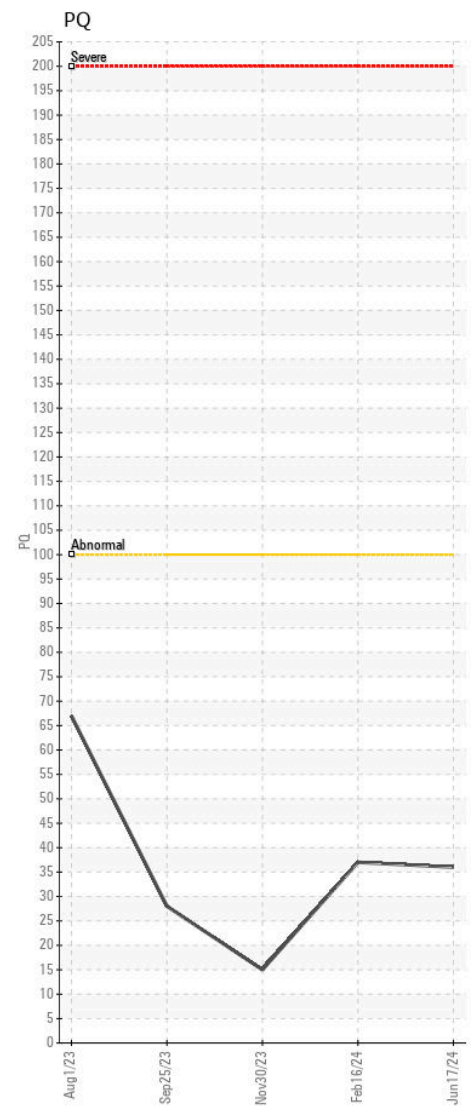
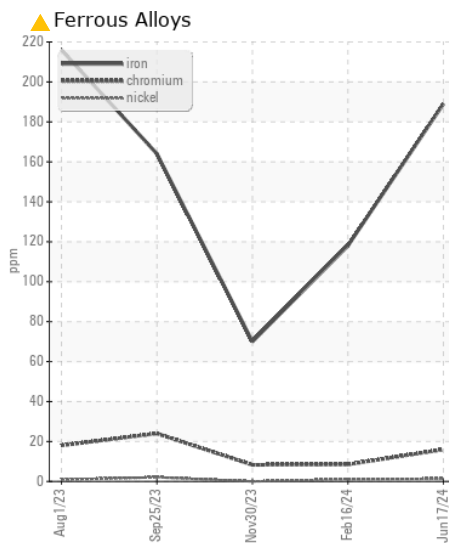
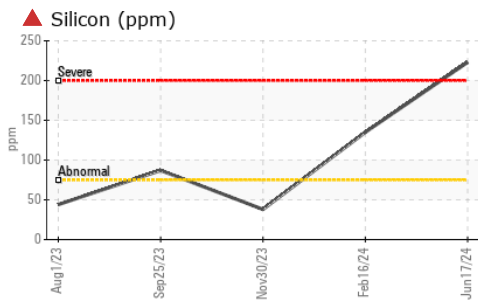
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221832	JR0195532	JR0195083
Sample Date		Client Info		17 Jun 2024	16 Feb 2024	30 Nov 2023
Machine Age	hrs	Client Info		2469	1772	1389
Oil Age	hrs	Client Info		2000	500	500
Filter Age	hrs	Client Info		2000	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL

PQ		ASTM D8184		36	37	15
Iron	ppm	ASTM D5185m	>500	189	118	70
Chromium	ppm	ASTM D5185m	>10	▲ 16	8	8
Nickel	ppm	ASTM D5185m	>10	1	1	0
Titanium	ppm	ASTM D5185m		6	4	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	● 84	● 47	10
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	<1	1	0
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 223	▲ 135	38
Potassium	ppm	ASTM D5185m	>20	24	13	0
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		14	<1	2
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		<1	5	0
Molybdenum	ppm	ASTM D5185m		3	2	<1
Manganese	ppm	ASTM D5185m		4	3	<1
Magnesium	ppm	ASTM D5185m		23	8	2
Calcium	ppm	ASTM D5185m		177	92	101
Phosphorus	ppm	ASTM D5185m		146	102	189
Zinc	ppm	ASTM D5185m		70	31	140
Sulfur	ppm	ASTM D5185m		863	1286	1478
Visc @ 40°C	cSt	ASTM D445		44.8	44.6	45.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221832 **Received** : 21 Jun 2024
Lab Number : 06217094 **Tested** : 24 Jun 2024
Unique Number : 11089958 **Diagnosed** : 24 Jun 2024 - Sean Felton
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)