



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Machine Id
5049
Component
Right Final Drive
Fluid
NOT GIVEN (--- 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. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

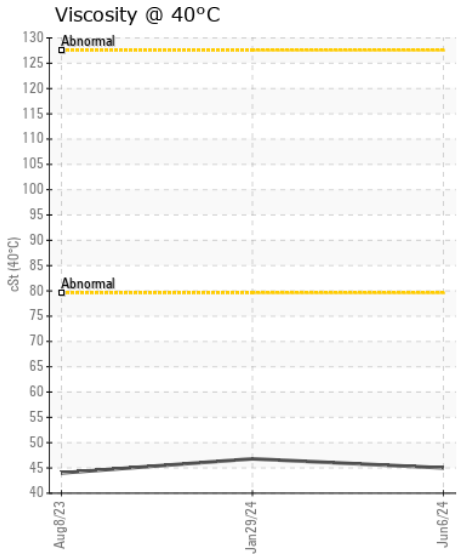
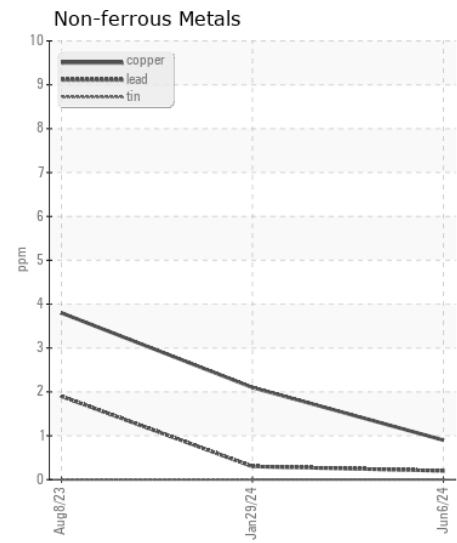
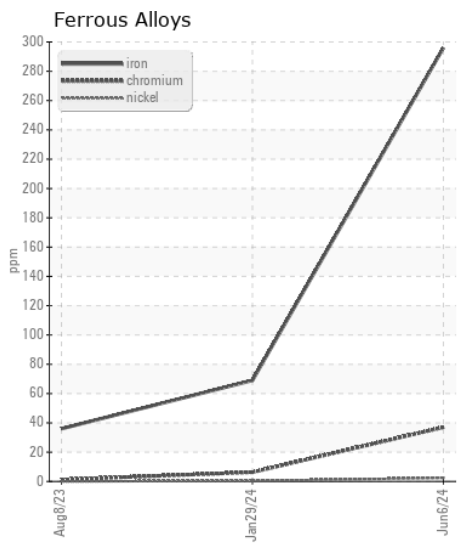
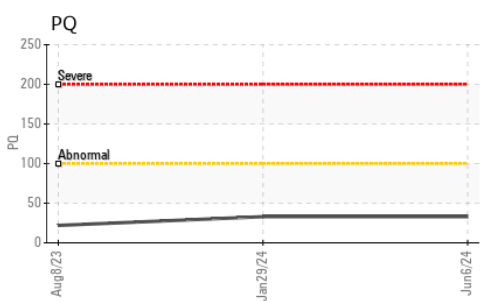
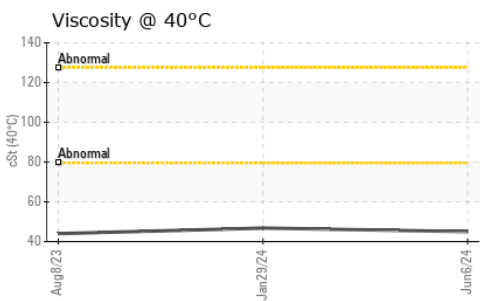
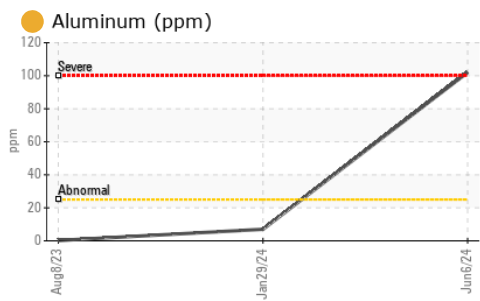
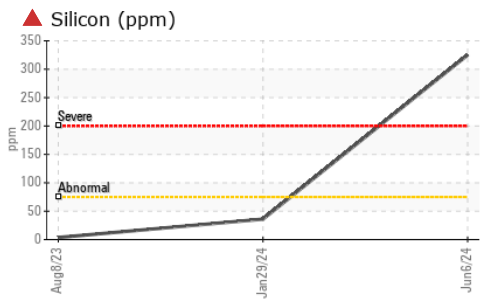
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210180	JR0195162	JR0169399
Sample Date		Client Info		06 Jun 2024	29 Jan 2024	08 Aug 2023
Machine Age	hrs	Client Info		2118	1385	617
Oil Age	hrs	Client Info		1385	1000	617
Filter Age	hrs	Client Info		1385	1000	617
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	NORMAL
PQ		ASTM D8184		33	33	22
Iron	ppm	ASTM D5185m	>500	296	69	36
Chromium	ppm	ASTM D5185m	>10	37	6	1
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		10	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	102	7	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	2
Copper	ppm	ASTM D5185m	>50	<1	2	4
Tin	ppm	ASTM D5185m	>10	0	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	325	36	4
Potassium	ppm	ASTM D5185m	>20	18	4	3
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		17	3	7
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	1	0
Molybdenum	ppm	ASTM D5185m		4	<1	<1
Manganese	ppm	ASTM D5185m		9	3	3
Magnesium	ppm	ASTM D5185m		24	3	5
Calcium	ppm	ASTM D5185m		132	137	135
Phosphorus	ppm	ASTM D5185m		219	808	280
Zinc	ppm	ASTM D5185m		193	1121	428
Sulfur	ppm	ASTM D5185m		1534	4858	9842
Visc @ 40°C	cSt	ASTM D445		45.0	46.8	44.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210180 **Received** : 21 Jun 2024
Lab Number : 06217104 **Tested** : 24 Jun 2024
Unique Number : 11089968 **Diagnosed** : 24 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

PATRIOT DEVELOPMENT CORP
 22721 LADBROOK DRIVE STE 120
 STERLING, VA
 US 20166
 Contact: ROBERT MOSS
 robert.moss@patriotdev.net
 T:
 F:

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)