



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
5049
 Component
Right Final Drive
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195162	JR0169399	---
Sample Date		Client Info		29 Jan 2024	08 Aug 2023	---
Machine Age	hrs	Client Info		1385	617	---
Oil Age	hrs	Client Info		1000	617	---
Filter Age	hrs	Client Info		1000	617	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		33	22	---
Iron	ppm	ASTM D5185m	>500	69	36	---
Chromium	ppm	ASTM D5185m	>10	6	1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	7	<1	---
Lead	ppm	ASTM D5185m	>25	<1	2	---
Copper	ppm	ASTM D5185m	>50	2	4	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

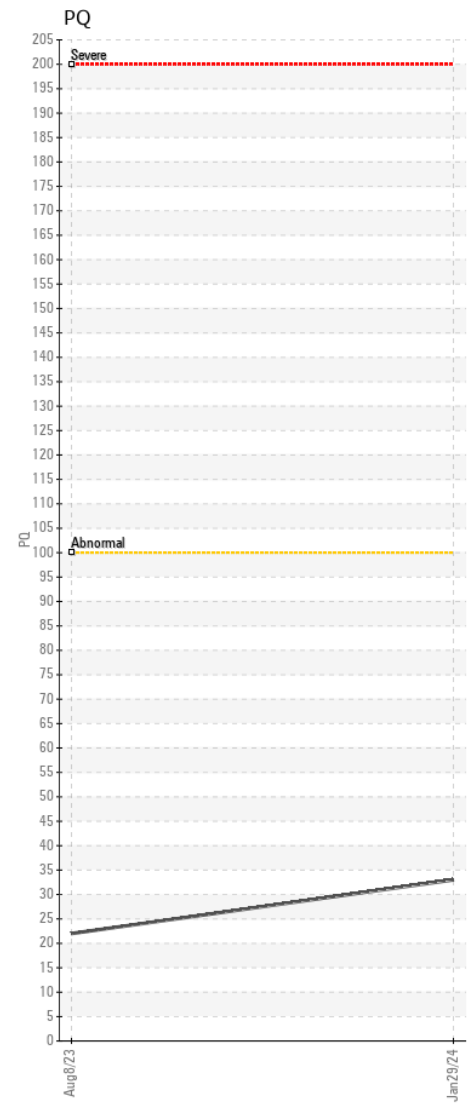
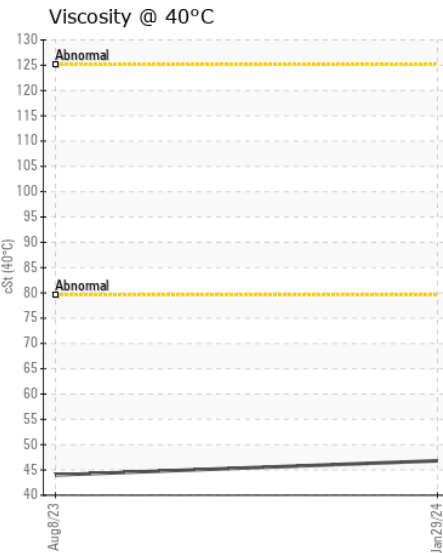
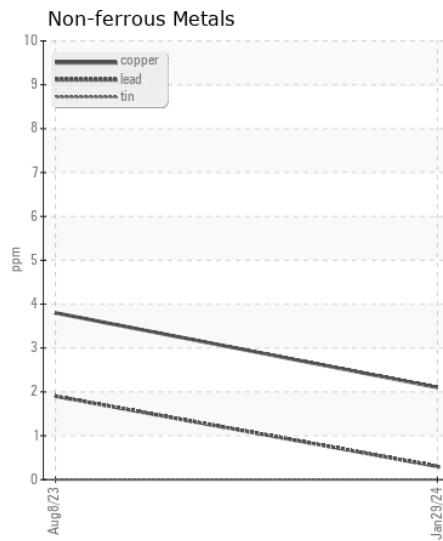
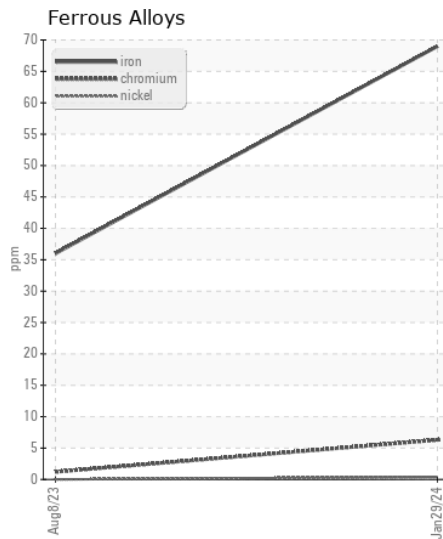
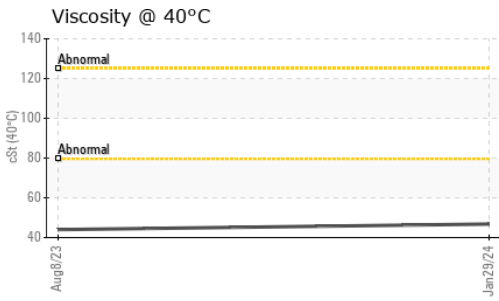
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	36	4	---
Potassium	ppm	ASTM D5185m	>20	4	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	7	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		1	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		3	3	---
Magnesium	ppm	ASTM D5185m		3	5	---
Calcium	ppm	ASTM D5185m		137	135	---
Phosphorus	ppm	ASTM D5185m		808	280	---
Zinc	ppm	ASTM D5185m		1121	428	---
Sulfur	ppm	ASTM D5185m		4858	9842	---
Visc @ 40°C	cSt	ASTM D445		46.8	44.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195162 **Received** : 31 Jan 2024
Lab Number : 06076075 **Diagnosed** : 01 Feb 2024
Unique Number : 10858166 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

PATRIOT DEVELOPMENT CORP
 22721 LADBROOK DRIVE STE 120
 STERLING, VA
 US 20166

Contact: ROBERT MOSS
 robert.moss@patriotdev.net

T:
 F: