



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

SEVERE

SEVERE

Machine Id

890

Component

Hydraulic System

Fluid

{not provided} (--- GAL)

RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count. Please note that this is a corrected copy for laboratory data update for chlorine. Chlorine 71.7 ppm.

WEAR

The iron level is abnormal.

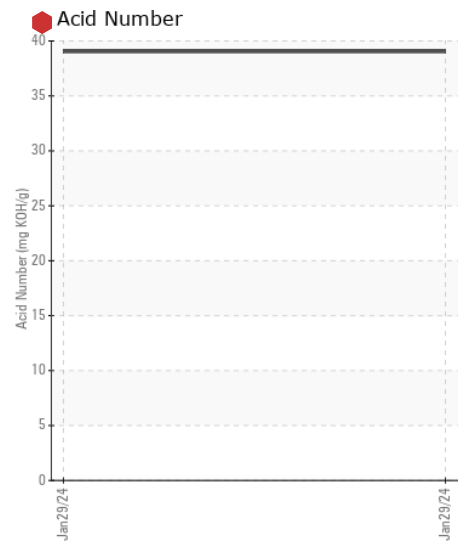
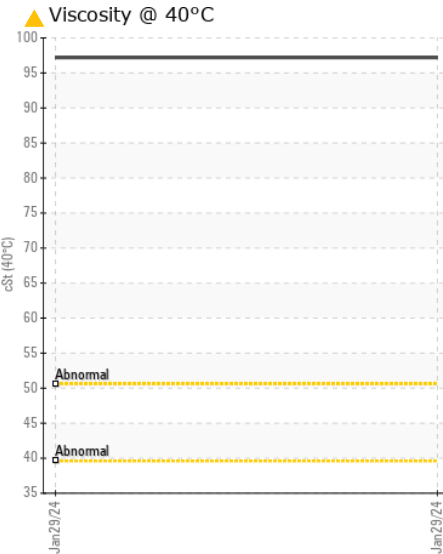
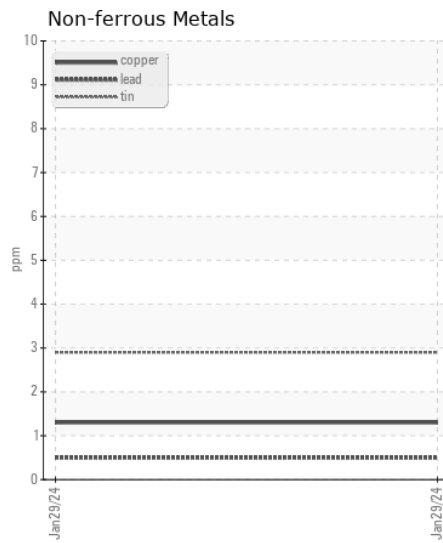
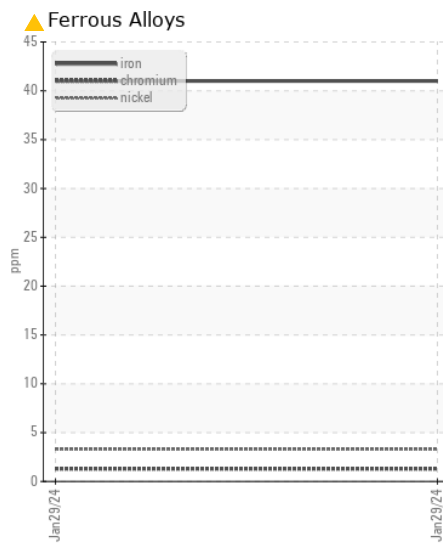
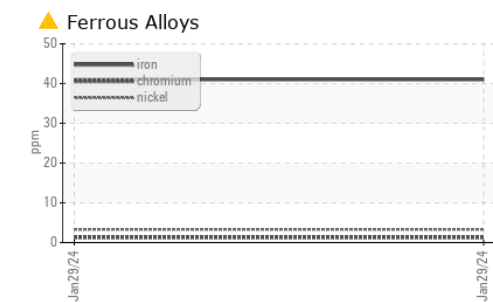
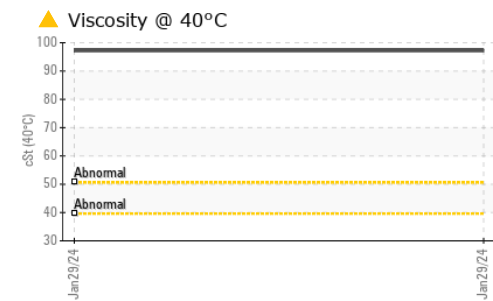
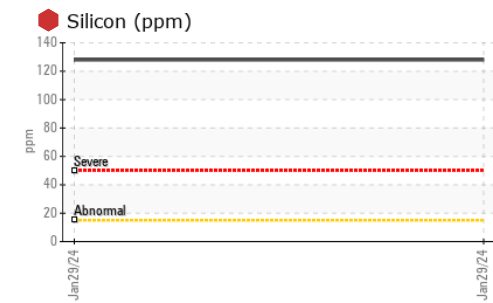
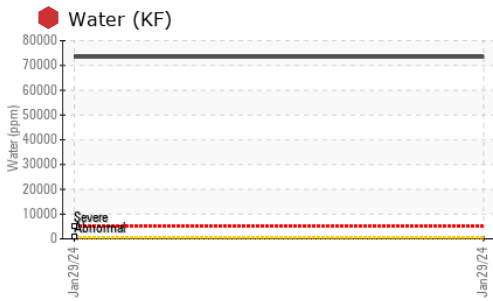
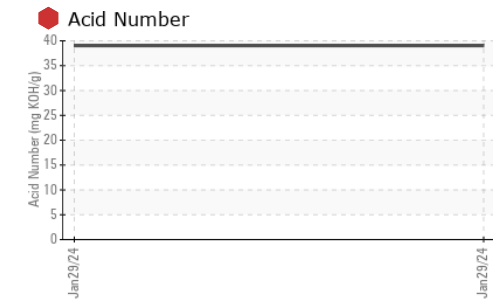
CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a high concentration of water present in the oil.

FLUID CONDITION

The AN level is above the recommended limit. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06074737	---	---
Sample Date		Client Info		29 Jan 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>20	▲ 41	---	---
Chromium	ppm	ASTM D5185m	>20	1	---	---
Nickel	ppm	ASTM D5185m	>20	3	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>20	14	---	---
Lead	ppm	ASTM D5185m	>20	<1	---	---
Copper	ppm	ASTM D5185m	>20	1	---	---
Tin	ppm	ASTM D5185m	>20	3	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>15	◆ 128	---	---
Potassium	ppm	ASTM D5185m	>20	134	---	---
Chlorine Content	ppm	ASTM D5185m		71.7	---	---
Water	%	ASTM D6304	>0.05	◆ 7.344	---	---
ppm Water	ppm	ASTM D6304	>500	◆ 73442	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---
Sodium	ppm	ASTM D5185m		117	---	---
Boron	ppm	ASTM D5185m		29	---	---
Barium	ppm	ASTM D5185m		34	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		8	---	---
Magnesium	ppm	ASTM D5185m		87	---	---
Calcium	ppm	ASTM D5185m		257	---	---
Phosphorus	ppm	ASTM D5185m		2673	---	---
Zinc	ppm	ASTM D5185m		506	---	---
Sulfur	ppm	ASTM D5185m		294	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		◆ 39.04	---	---
Visc @ 40°C	cSt	ASTM D445		▲ 97.2	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06074737 **Received** : 30 Jan 2024
Lab Number : 06074737 **Tested** : 09 Feb 2024
Unique Number : 10856828 **Diagnosed** : 09 Feb 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: CHLORINEXRF, KF)

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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)

T:
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