



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
PRESS
Machine Id
Component
PRESS BULK STORAGE TANK (S/N PR7)
Fluid
Bulk Fluid Tank
AW HYDRAULIC OIL ISO 68 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06213048	WC0895033	WC0782930
Sample Date		Client Info		13 Jun 2024	07 Mar 2024	28 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		0	0	0
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

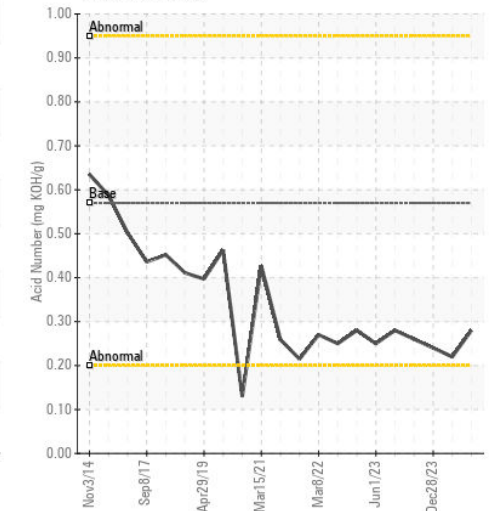
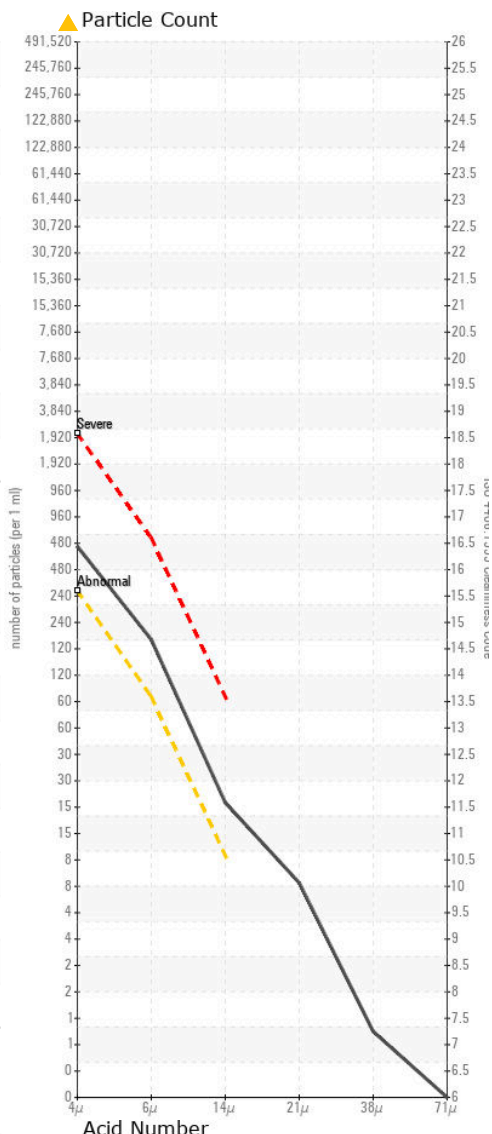
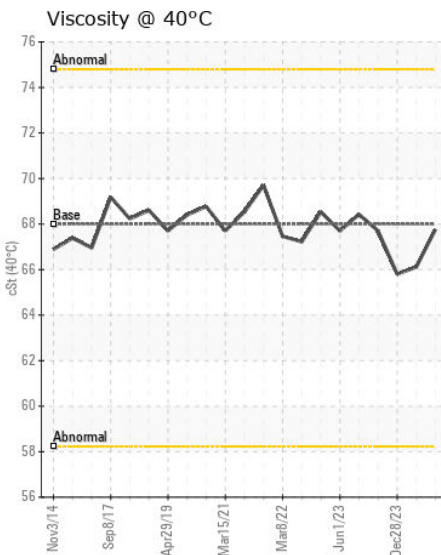
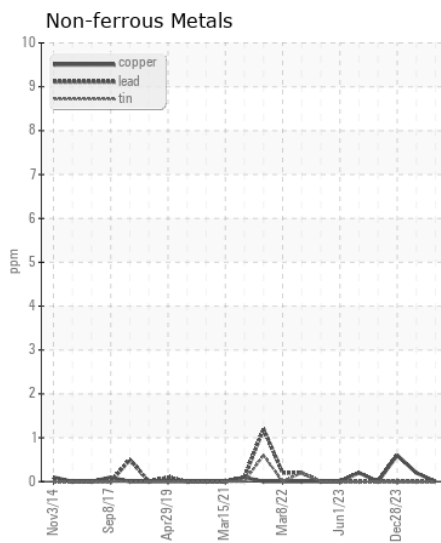
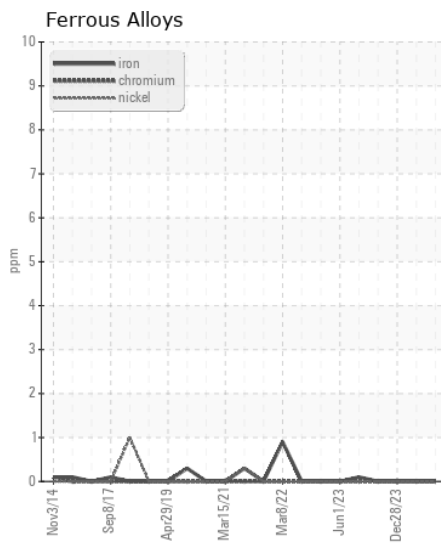
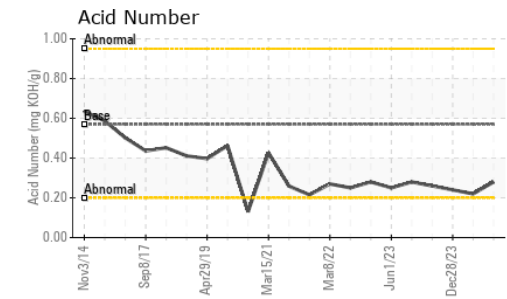
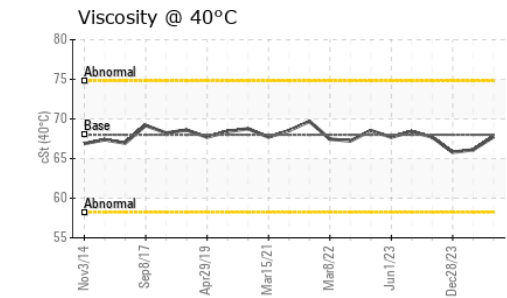
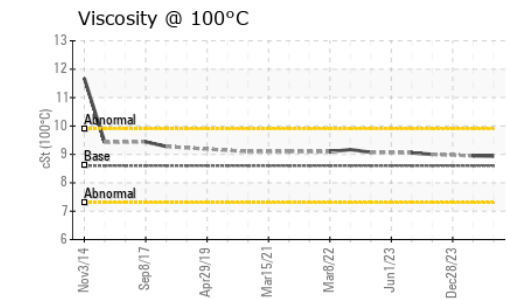
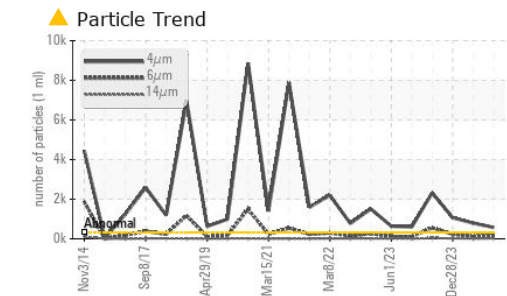
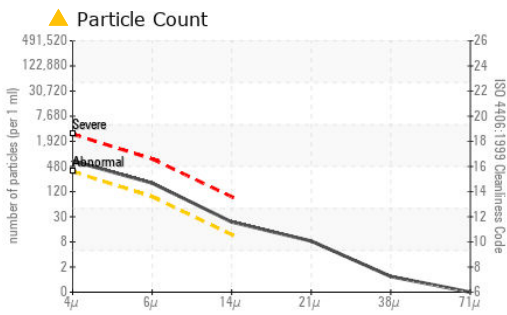
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304		NEG	NEG	NEG
Particles >4µm		ASTM D7647	>320	▲ 572	▲ 795	▲ 1064
Particles >6µm		ASTM D7647	>80	▲ 169	● 115	▲ 235
Particles >14µm		ASTM D7647	>10	▲ 20	8	▲ 18
Particles >21µm		ASTM D7647	>3	▲ 7	2	▲ 6
Particles >38µm		ASTM D7647	>3	1	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>15/13/10	▲ 16/15/11	▲ 17/14/10	▲ 17/15/11
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		NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	<1	1
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	25	1	<1	5
Calcium	ppm	ASTM D5185m	200	55	57	62
Phosphorus	ppm	ASTM D5185m	300	337	327	339
Zinc	ppm	ASTM D5185m	370	431	425	444
Sulfur	ppm	ASTM D5185m	2500	893	817	824
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.28	0.22	0.24
Visc @ 40°C	cSt	ASTM D445	68	67.76	66.11	65.8
Visc @ 100°C	cSt	ASTM D445	8.6	8.94	8.95	---
Viscosity Index (VI)	Scale	ASTM D2270	96	105	109	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06213048
Lab Number : 06213048
Unique Number : 11085912
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

Received : 17 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Jonathan Hester

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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)