



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
002270

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

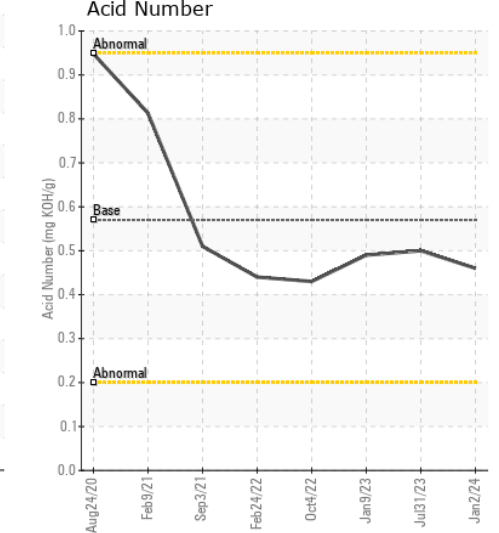
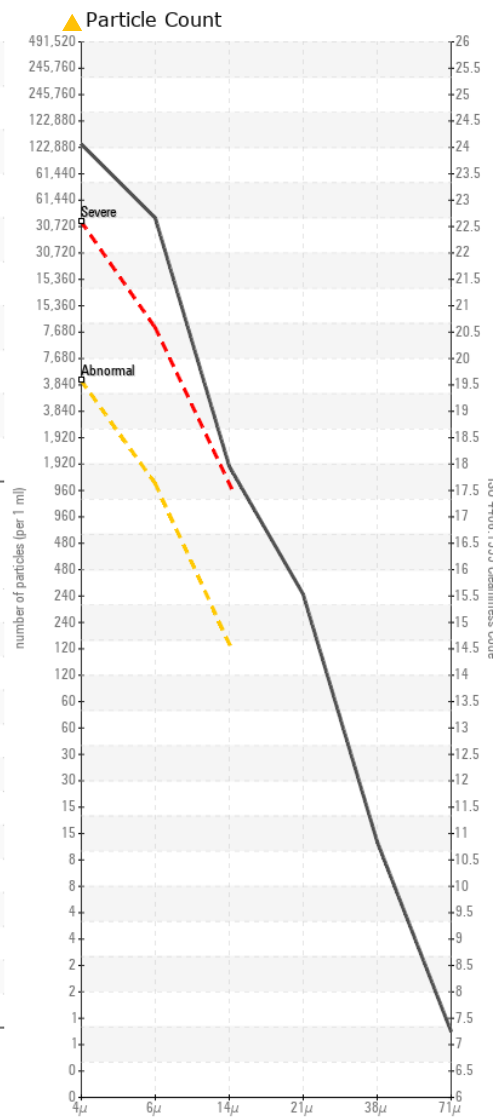
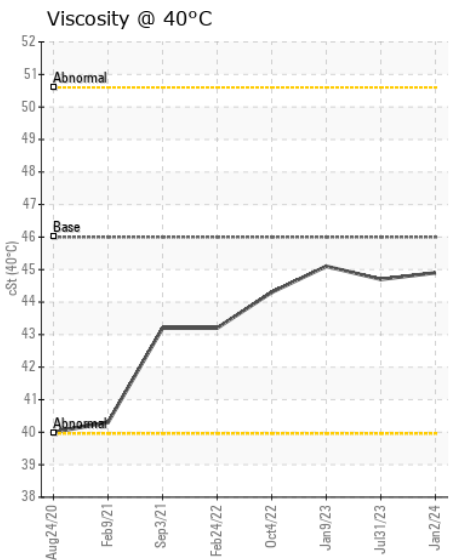
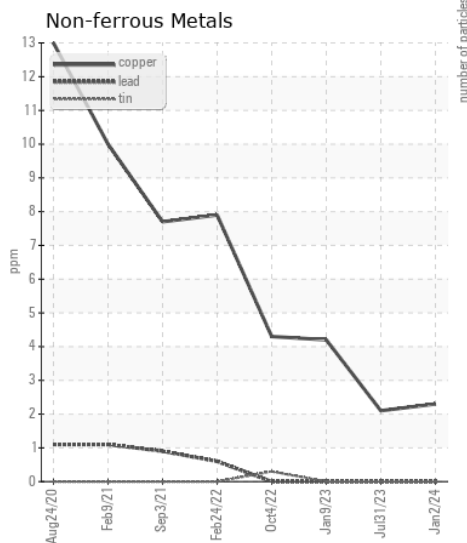
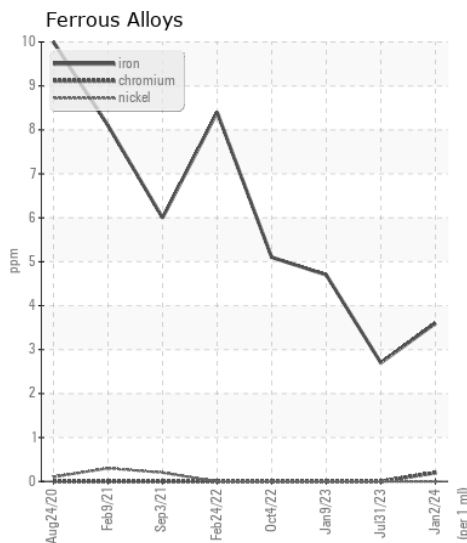
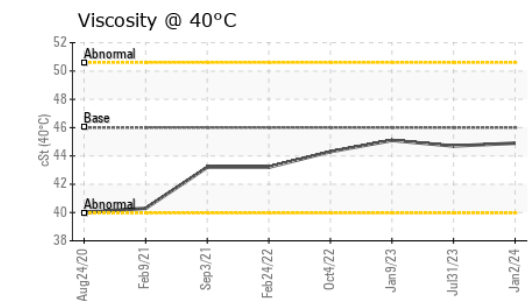
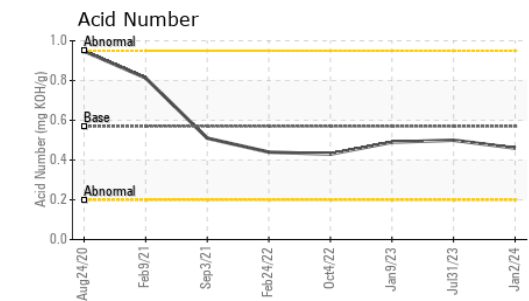
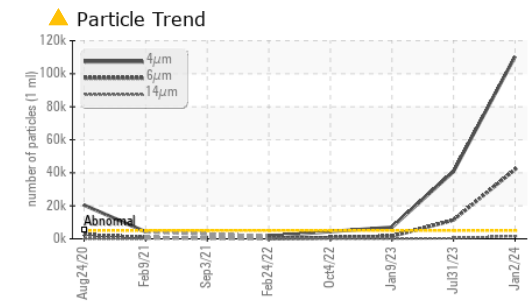
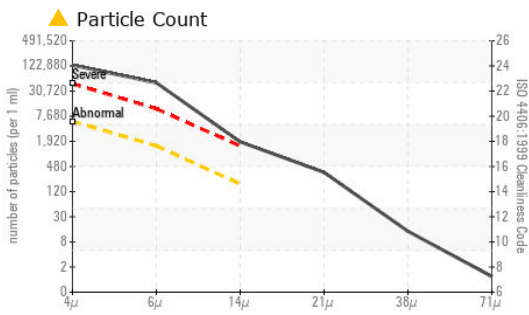
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0800464	WC0724640	WC0758049
Sample Date		Client Info		02 Jan 2024	31 Jul 2023	09 Jan 2023
Machine Age	hrs	Client Info		4122	3604	2918
Oil Age	hrs	Client Info		1018	686	1500
Filter Age	hrs	Client Info		518	686	250
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION

Iron	ppm	ASTM D5185m	>20	4	3	5
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	2	2	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	2	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 110446	▲ 40755	▲ 6993
Particles >6µm		ASTM D7647	>1300	▲ 42035	▲ 11361	▲ 1608
Particles >14µm		ASTM D7647	>160	▲ 1634	▲ 368	57
Particles >21µm		ASTM D7647	>40	▲ 305	▲ 48	14
Particles >38µm		ASTM D7647	>10	▲ 12	1	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/23/18	▲ 23/21/16	▲ 20/18/13
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	VLITE
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	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		0	1	<1
Boron	ppm	ASTM D5185m	5	5	6	<1
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	5	5	2
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	25	74	71	40
Calcium	ppm	ASTM D5185m	200	274	258	204
Phosphorus	ppm	ASTM D5185m	300	409	384	347
Zinc	ppm	ASTM D5185m	370	444	437	405
Sulfur	ppm	ASTM D5185m	2500	1216	1276	979
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.46	0.50	0.49
Visc @ 40°C	cSt	ASTM D445	46	44.9	44.7	45.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0800464 **Received** : 12 Jan 2024
Lab Number : 06060162 **Diagnosed** : 16 Jan 2024
Unique Number : 10831544 **Diagnostician** : Don Baldrige
Test Package : CONST

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)

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