



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MANTENIMIENTO FNC
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 68 (--- LTR)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN06151122	AN06151110	AN06060261
Sample Date		Client Info		23 Feb 2024	16 Jan 2024	10 Nov 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

The iron level is abnormal.

Iron	ppm	ASTM D5185m	>20	▲ 46	▲ 45	▲ 46
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	<1	1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	2
Lead	ppm	ASTM D5185m	>20	<1	<1	<1
Copper	ppm	ASTM D5185m	>20	6	6	6
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

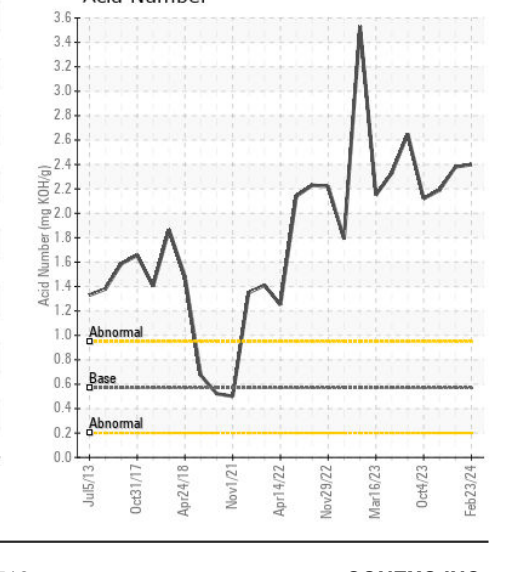
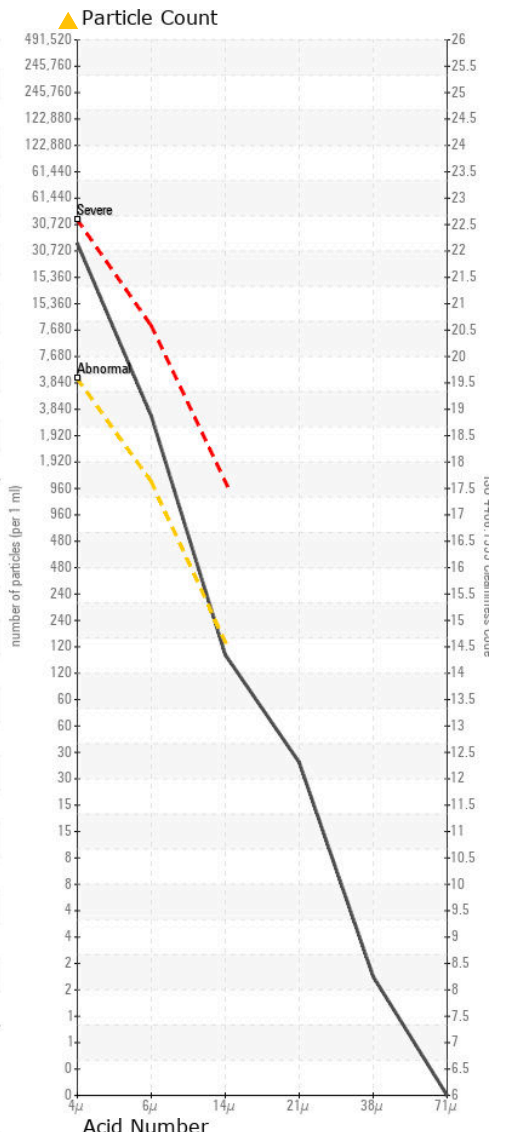
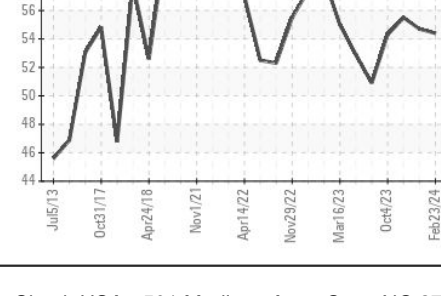
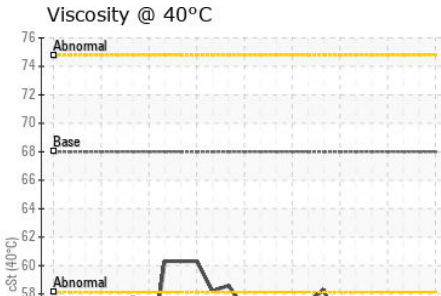
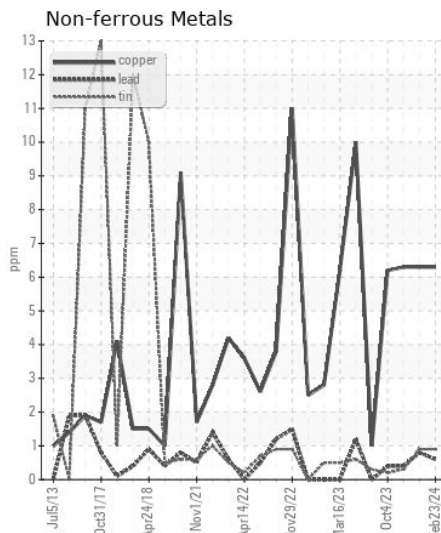
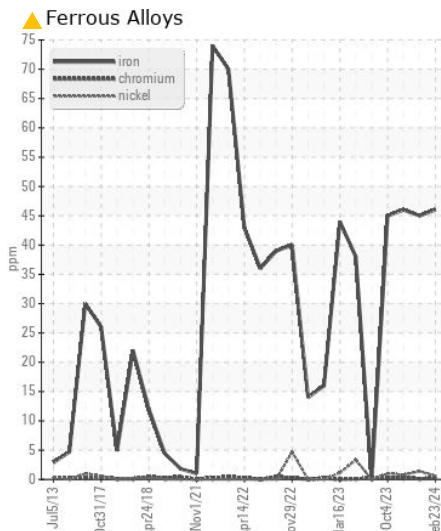
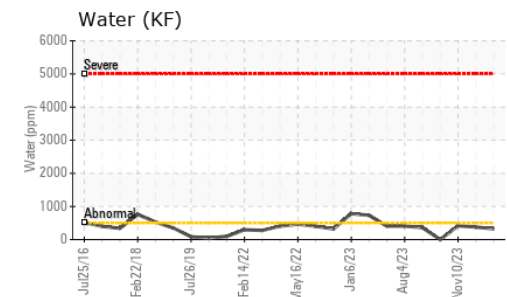
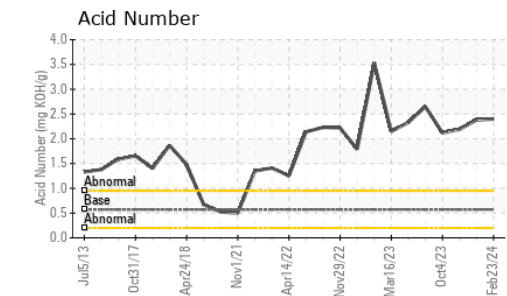
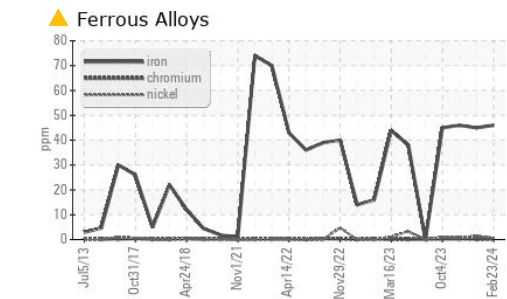
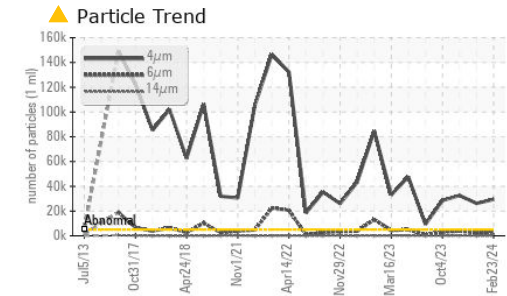
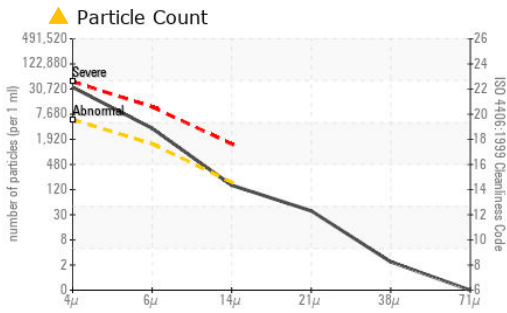
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>15	<1	<1	1
Potassium	ppm	ASTM D5185m	>20	1	2	<1
Water	%	ASTM D6304	>0.05	0.032	0.037	0.041
ppm Water	ppm	ASTM D6304	>500	324	378	418
Particles >4µm		ASTM D7647	>5000	▲ 29405	▲ 26203	▲ 32598
Particles >6µm		ASTM D7647	>1300	▲ 3071	● 2334	▲ 3824
Particles >14µm		ASTM D7647	>160	135	100	● 220
Particles >21µm		ASTM D7647	>40	33	25	● 68
Particles >38µm		ASTM D7647	>10	2	2	4
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/19/14	▲ 22/18/14	▲ 22/19/15
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	>0.05	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	3	<1
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		3	3	1
Magnesium	ppm	ASTM D5185m	25	9	10	8
Calcium	ppm	ASTM D5185m	200	18	19	15
Phosphorus	ppm	ASTM D5185m	300	257	252	280
Zinc	ppm	ASTM D5185m	370	168	175	160
Sulfur	ppm	ASTM D5185m	2500	3064	3118	2786
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	2.40	2.38	2.19
Visc @ 40°C	cSt	ASTM D445	68	54.4	54.7	55.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN06151122 **Received** : 16 Apr 2024
Lab Number : 06151122 **Tested** : 19 Apr 2024
Unique Number : 10981200 **Diagnosed** : 19 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

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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)