



OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

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

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN06151110</b>	AN06060261	AN06060247
Sample Date		Client Info		<b>16 Jan 2024</b>	10 Nov 2023	04 Oct 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

The iron level is abnormal.

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

**CONTAMINATION**

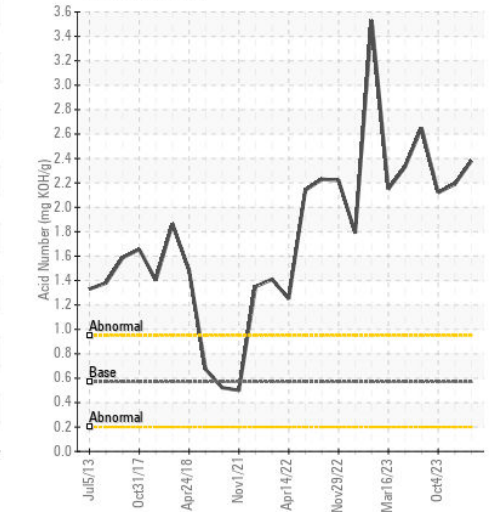
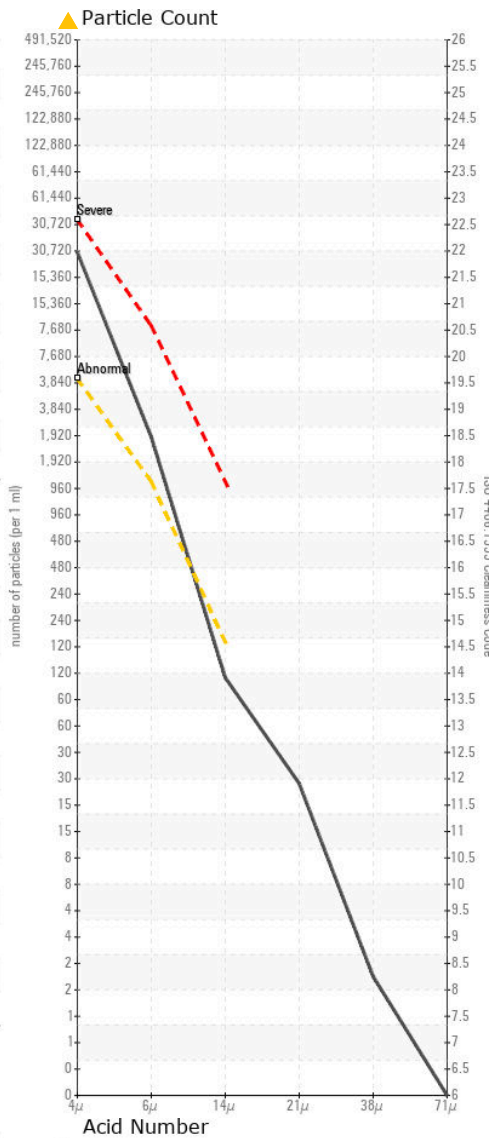
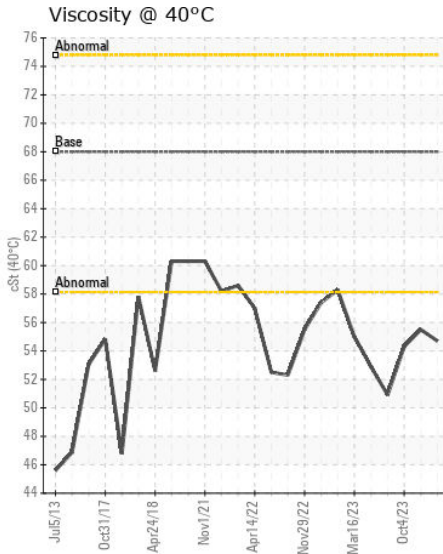
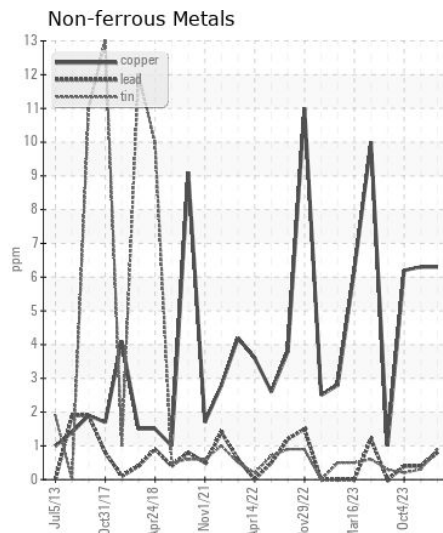
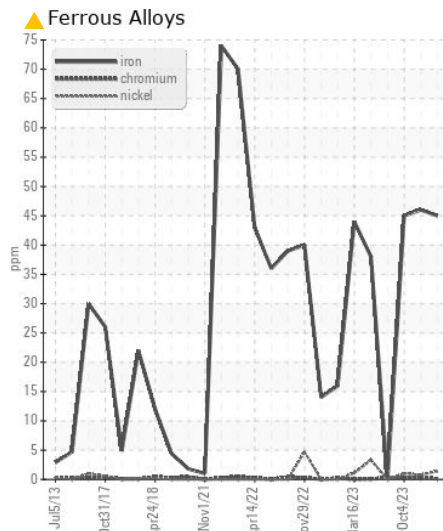
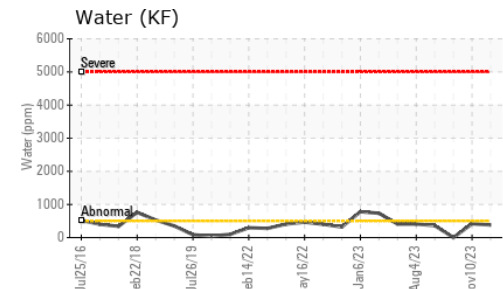
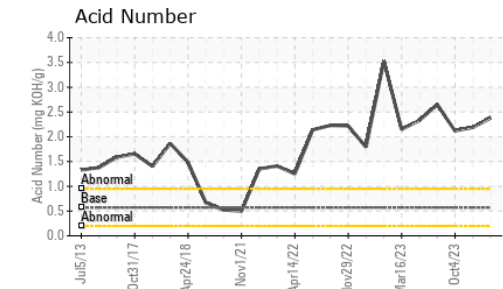
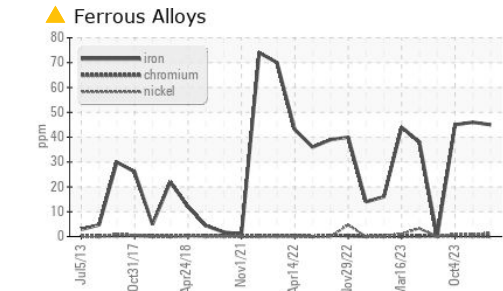
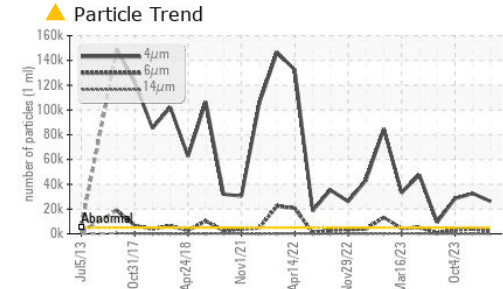
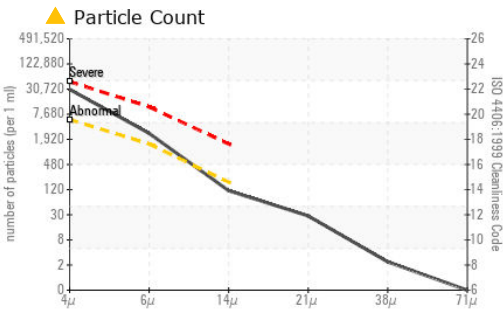
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	1
Water	%	ASTM D6304	>0.05	<b>0.037</b>	0.041	0.00
ppm Water	ppm	ASTM D6304	>500	<b>378</b>	418	0
Particles >4µm		ASTM D7647	>5000	<b>▲ 26203</b>	▲ 32598	▲ 28511
Particles >6µm		ASTM D7647	>1300	<b>● 2334</b>	▲ 3824	▲ 3099
Particles >14µm		ASTM D7647	>160	<b>100</b>	● 220	74
Particles >21µm		ASTM D7647	>40	<b>25</b>	● 68	15
Particles >38µm		ASTM D7647	>10	<b>2</b>	4	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/18/14</b>	▲ 22/19/15	▲ 22/19/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>3</b>	<1	0
Boron	ppm	ASTM D5185m	5	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>3</b>	1	1
Magnesium	ppm	ASTM D5185m	25	<b>10</b>	8	8
Calcium	ppm	ASTM D5185m	200	<b>19</b>	15	14
Phosphorus	ppm	ASTM D5185m	300	<b>252</b>	280	276
Zinc	ppm	ASTM D5185m	370	<b>175</b>	160	158
Sulfur	ppm	ASTM D5185m	2500	<b>3118</b>	2786	2697
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>2.38</b>	2.19	2.12
Visc @ 40°C	cSt	ASTM D445	68	<b>54.7</b>	55.5	54.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN06151110 **Received** : 16 Apr 2024  
**Lab Number** : 06151110 **Tested** : 19 Apr 2024  
**Unique Number** : 10981188 **Diagnosed** : 19 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

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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