



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**

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		<b>AN06060247</b>	AN05974971	AN05973639
Sample Date		Client Info		<b>04 Oct 2023</b>	01 Sep 2023	04 Aug 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>	ATTENTION	ABNORMAL

**WEAR**

The iron level is abnormal.

Iron	ppm	ASTM D5185m	>20	<b>▲ 45</b>	0	<b>▲ 38</b>
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>20	<b>1</b>	0	3
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>20	<b>6</b>	1	10
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**

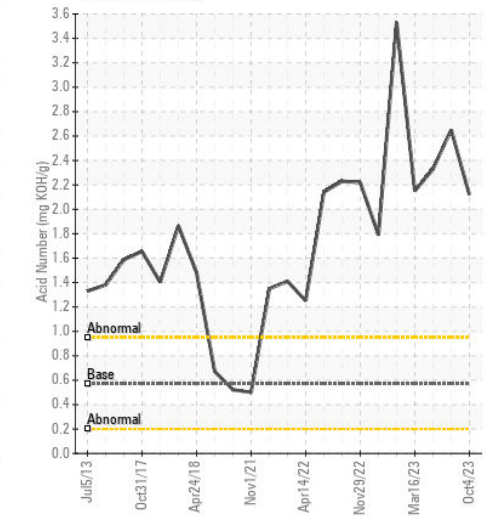
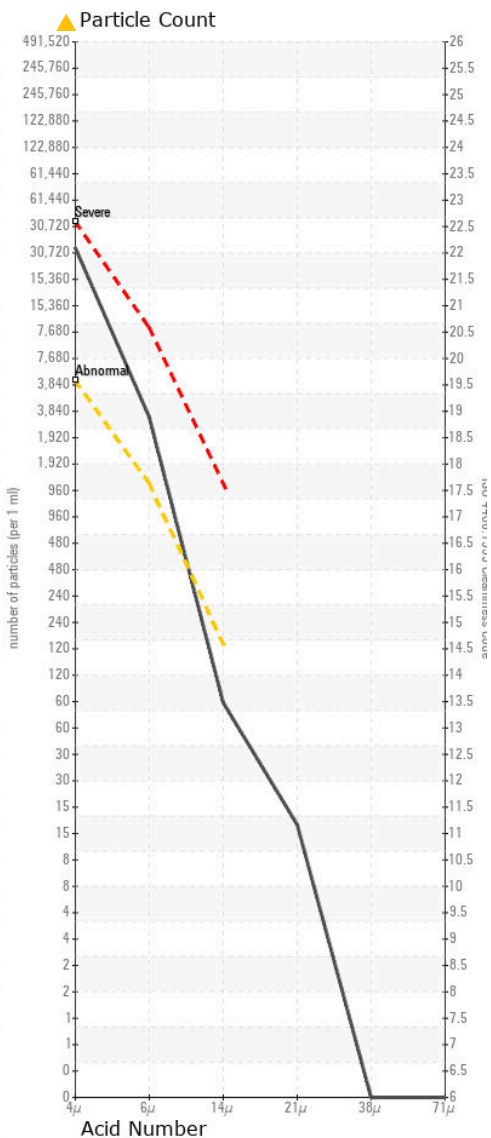
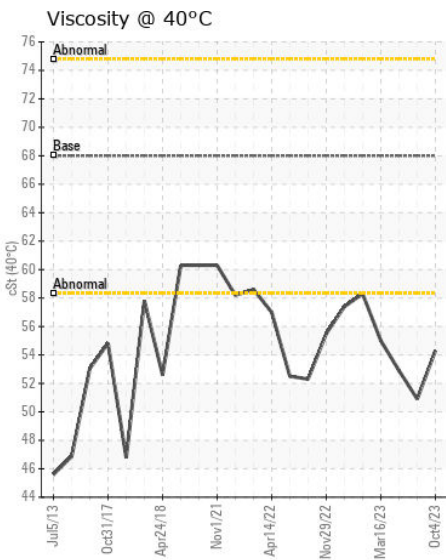
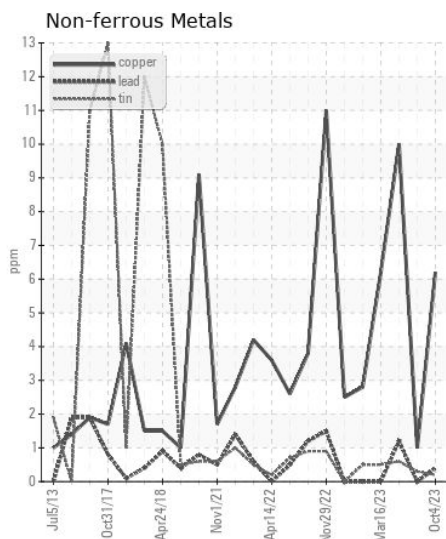
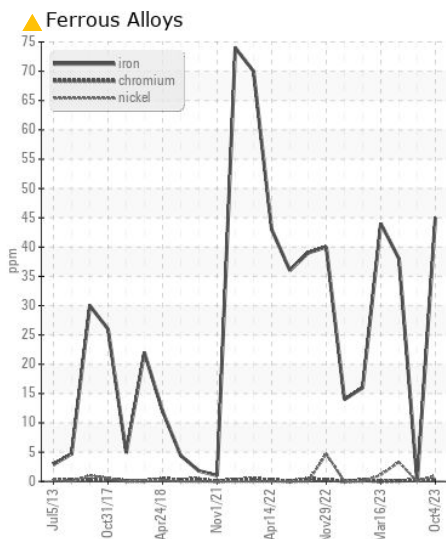
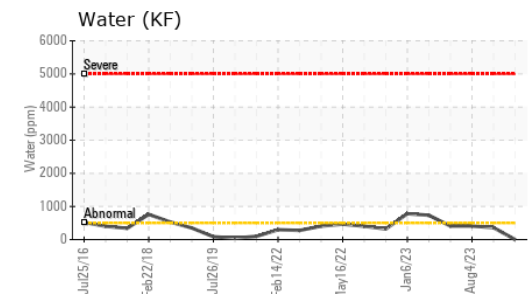
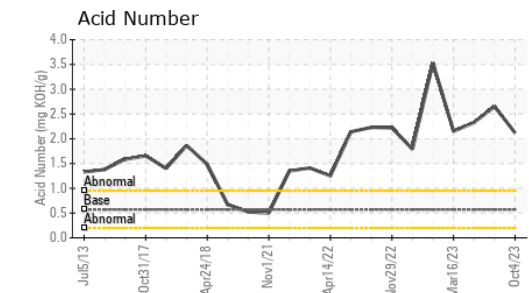
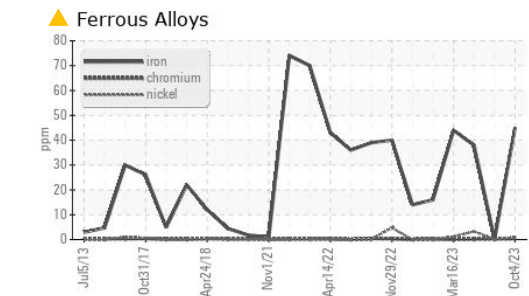
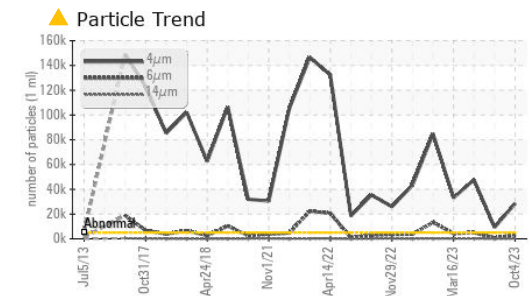
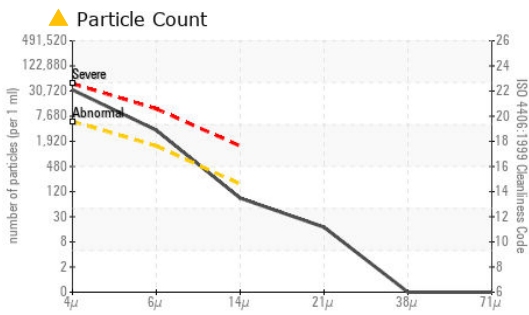
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>15	<b>1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	<1
Water	%	ASTM D6304	>0.05	<b>0.00</b>	0.036	0.040
ppm Water	ppm	ASTM D6304	>500	<b>0</b>	360.7	409.2
Particles >4µm		ASTM D7647	>5000	<b>▲ 28511</b>	<b>▲ 9245</b>	<b>▲ 47644</b>
Particles >6µm		ASTM D7647	>1300	<b>▲ 3099</b>	771	<b>▲ 4969</b>
Particles >14µm		ASTM D7647	>160	<b>74</b>	36	<b>▲ 214</b>
Particles >21µm		ASTM D7647	>40	<b>15</b>	9	<b>▲ 52</b>
Particles >38µm		ASTM D7647	>10	<b>0</b>	1	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/19/13</b>	<b>▲ 20/17/12</b>	<b>▲ 23/19/15</b>
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>0</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>1</b>	0	1
Magnesium	ppm	ASTM D5185m	25	<b>8</b>	4	7
Calcium	ppm	ASTM D5185m	200	<b>14</b>	<1	6
Phosphorus	ppm	ASTM D5185m	300	<b>276</b>	197	232
Zinc	ppm	ASTM D5185m	370	<b>158</b>	0	131
Sulfur	ppm	ASTM D5185m	2500	<b>2697</b>	1640	2611
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>2.12</b>	2.65	2.33
Visc @ 40°C	cSt	ASTM D445	68	<b>54.3</b>	50.9	52.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN06060247 **Received** : 12 Jan 2024  
**Lab Number** : 06060247 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10831629 **Diagnostician** : Doug Bogart  
**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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