



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**DANIELI CARROS ARTESA**  
 Component  
**Hydraulic System**  
 Fluid  
**ANDEROL BIO GUARD FRHF 46 (--- LTR)**

**RECOMMENDATION**

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

**WEAR**

All component wear rates are normal.

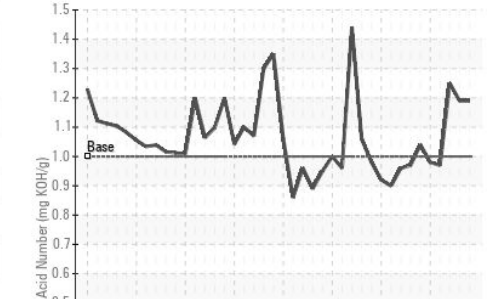
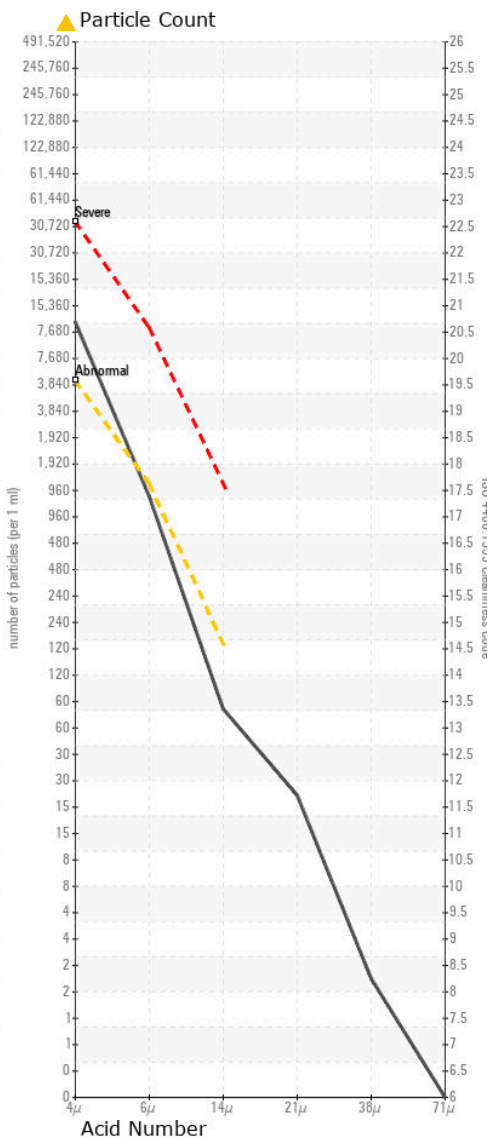
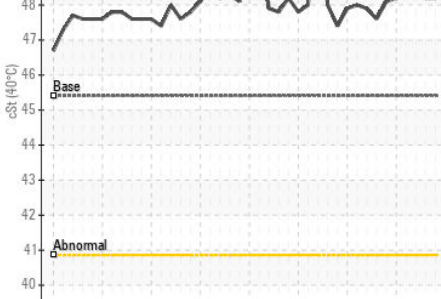
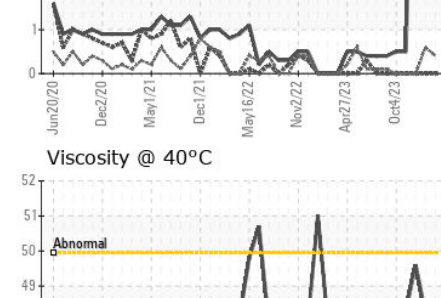
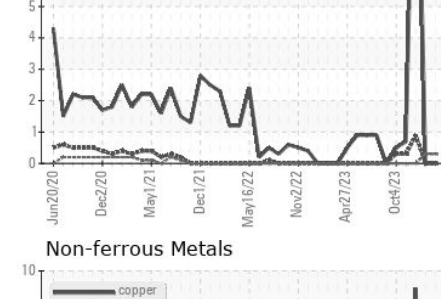
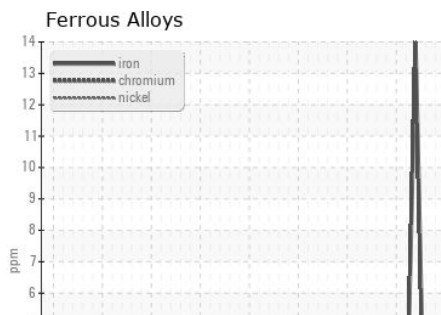
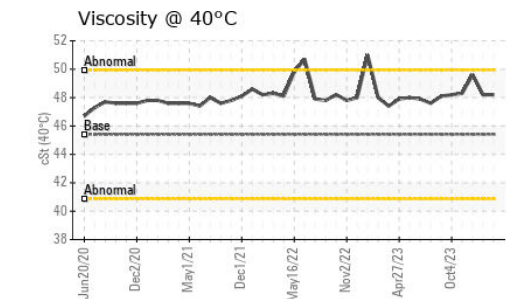
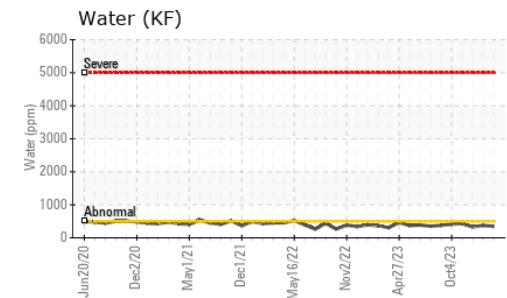
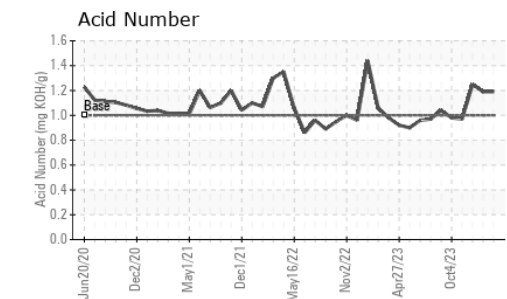
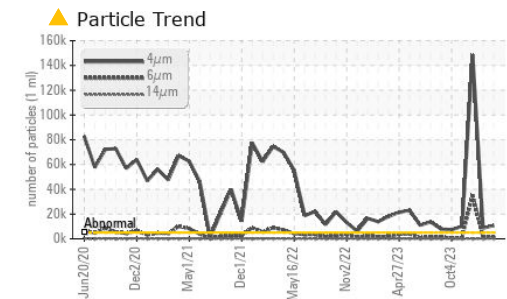
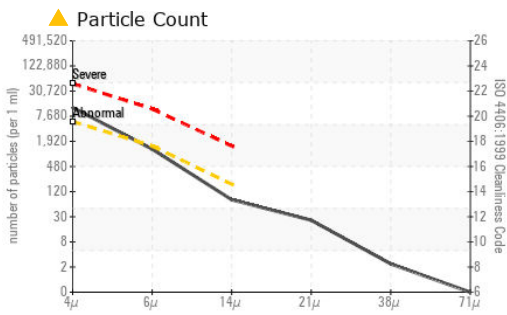
**CONTAMINATION**

There is a high amount of silt (particulates < 6 microns in size) present in the oil.

**FLUID CONDITION**

The AN level is at the top-end of the recommended limit. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN06151116</b>	AN06151104	AN06060276
Sample Date		Client Info		<b>23 Feb 2024</b>	16 Jan 2024	13 Dec 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
Iron	ppm	ASTM D5185m	>20	<b>0</b>	0	14
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>20	<b>2</b>	2	10
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
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
Silicon	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
Water	%	ASTM D6304	>0.05	<b>0.034</b>	0.037	0.032
ppm Water	ppm	ASTM D6304	>500	<b>345</b>	377	329
Particles >4µm		ASTM D7647	>5000	<b>▲ 10769</b>	● 8694	▲ 148651
Particles >6µm		ASTM D7647	>1300	<b>1099</b>	● 1415	▲ 35424
Particles >14µm		ASTM D7647	>160	<b>68</b>	134	88
Particles >21µm		ASTM D7647	>40	<b>22</b>	38	18
Particles >38µm		ASTM D7647	>10	<b>2</b>	2	2
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/17/13</b>	● 20/18/14	▲ 24/22/14
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	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
Sodium	ppm	ASTM D5185m		<b>1</b>	1	1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	3
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	4
Phosphorus	ppm	ASTM D5185m	196	<b>209</b>	213	248
Zinc	ppm	ASTM D5185m		<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m	1440	<b>2176</b>	2194	2144
Acid Number (AN)	mg KOH/g	ASTM D8045	1	<b>1.19</b>	1.19	1.25
Visc @ 40°C	cSt	ASTM D445	45.41	<b>48.2</b>	48.2	49.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN06151116 **Received** : 16 Apr 2024  
**Lab Number** : 06151116 **Tested** : 19 Apr 2024  
**Unique Number** : 10981194 **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)

**CONEXO INC**  
 2320 STARR LAKE DRIVE  
 ACWORTH, GA  
 US 30101  
 Contact: RICARDO HEIN  
 rhein@conexoinc.com  
 T: (678)806-0131  
 F: x: