



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CONVERTIDORES**  
Component  
**Hydraulic System**  
Fluid  
**ANDEROL BIO GUARD FRHF 46 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN06151105</b>	AN06060268	AN06060255
Sample Date		Client Info		<b>16 Jan 2024</b>	13 Dec 2023	10 Nov 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>NORMAL</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	1
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	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>	2	2
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>20	<b>3</b>	2	2
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	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

**CONTAMINATION**

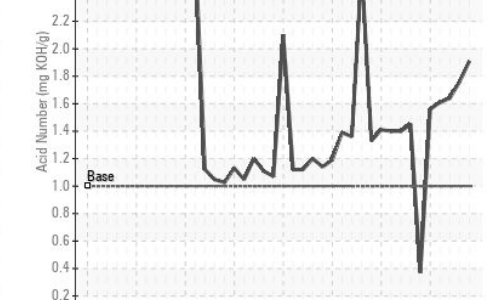
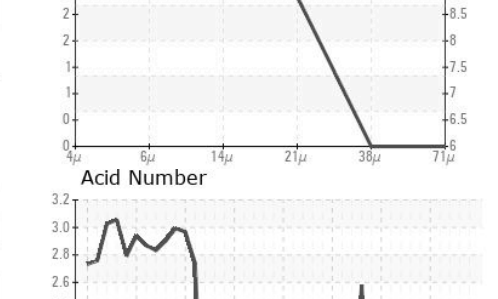
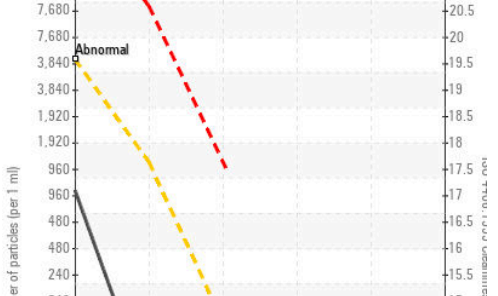
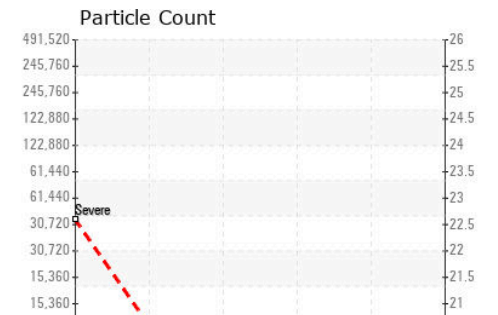
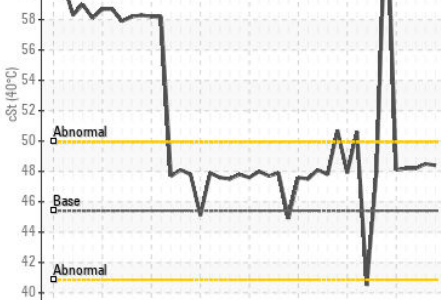
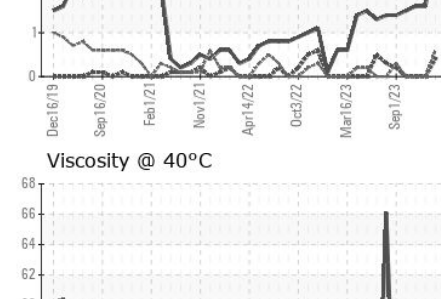
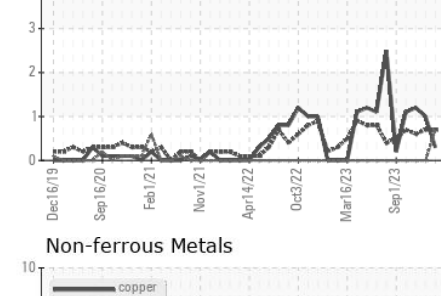
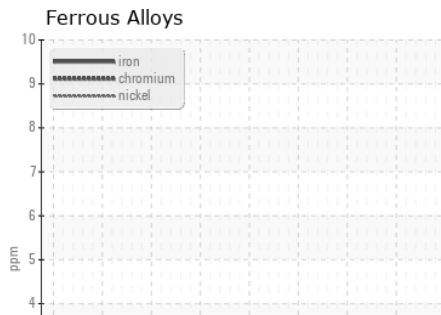
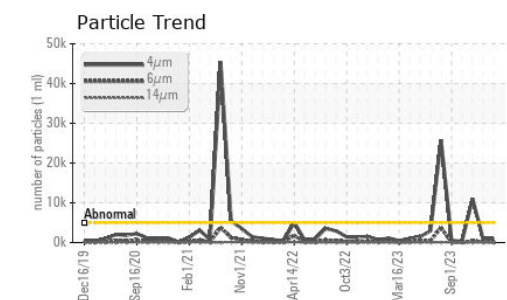
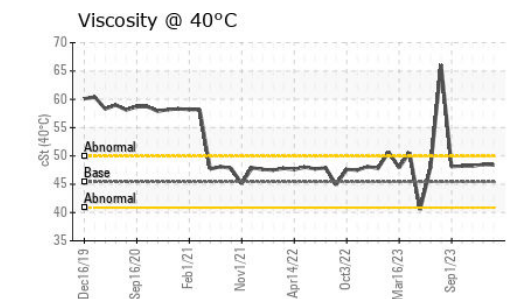
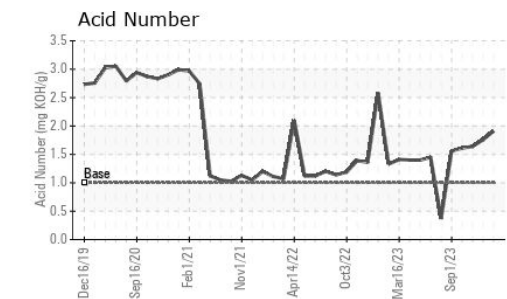
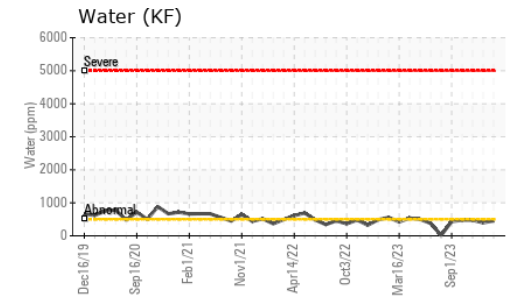
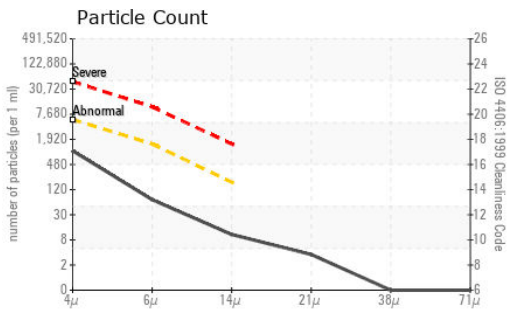
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	<1
Water	%	ASTM D6304	>0.05	<b>0.045</b>	0.039	0.047
ppm Water	ppm	ASTM D6304	>500	<b>455</b>	397	473
Particles >4µm		ASTM D7647	>5000	<b>895</b>	977	▲ 11032
Particles >6µm		ASTM D7647	>1300	<b>61</b>	255	346
Particles >14µm		ASTM D7647	>160	<b>9</b>	22	9
Particles >21µm		ASTM D7647	>40	<b>3</b>	6	3
Particles >38µm		ASTM D7647	>10	<b>0</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>17/13/10</b>	17/15/12	▲ 21/16/10
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 suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	0
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	0
Manganese	ppm	ASTM D5185m		<b>1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	0
Calcium	ppm	ASTM D5185m		<b>2</b>	<1	<1
Phosphorus	ppm	ASTM D5185m	196	<b>209</b>	232	236
Zinc	ppm	ASTM D5185m		<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m	1440	<b>2212</b>	1902	1982
Acid Number (AN)	mg KOH/g	ASTM D8045	1	<b>1.91</b>	1.76	1.64
Visc @ 40°C	cSt	ASTM D445	45.41	<b>48.4</b>	48.5	48.2



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN06151105 **Received** : 16 Apr 2024  
**Lab Number** : 06151105 **Tested** : 19 Apr 2024  
**Unique Number** : 10981183 **Diagnosed** : 19 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

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

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)