



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. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

**WEAR**

All component wear rates are normal.

**CONTAMINATION**

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

**FLUID CONDITION**

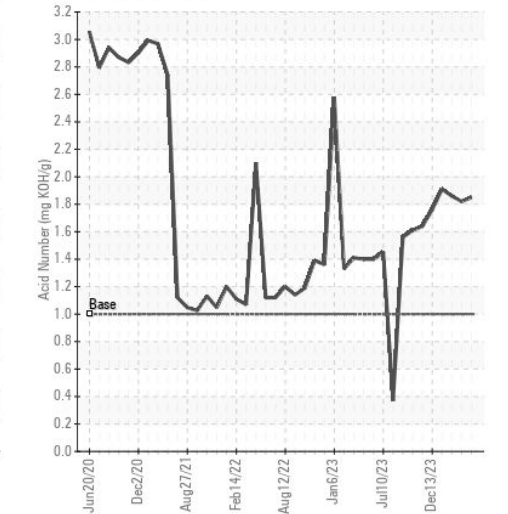
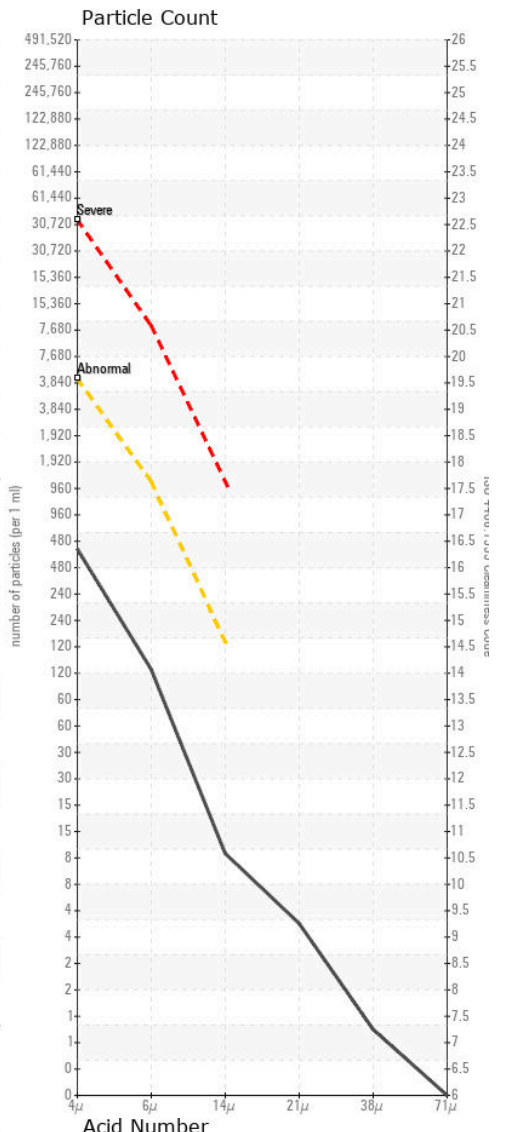
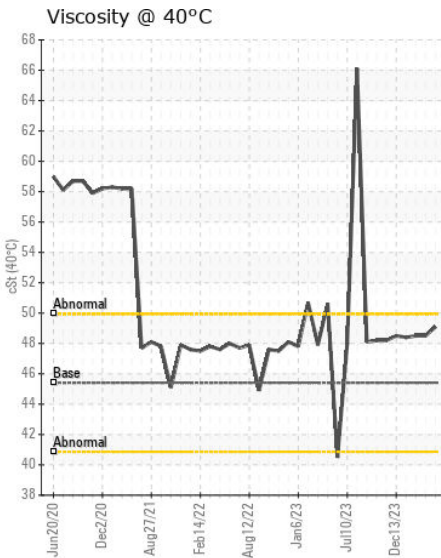
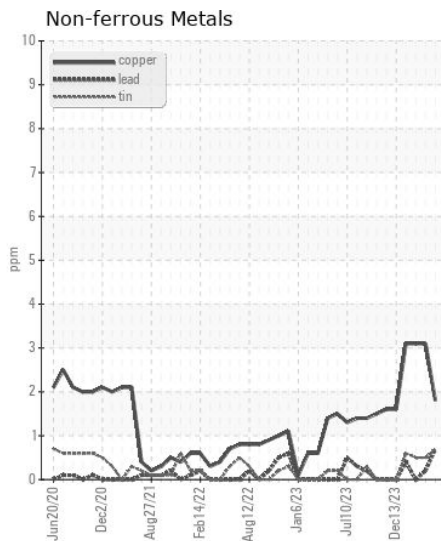
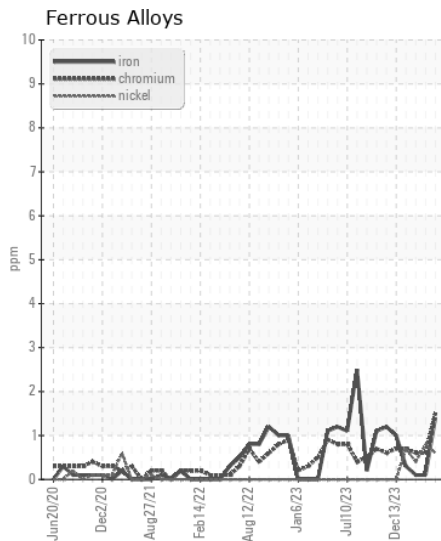
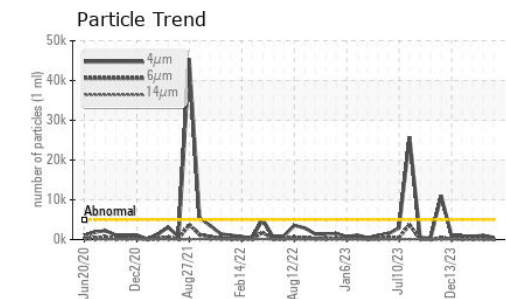
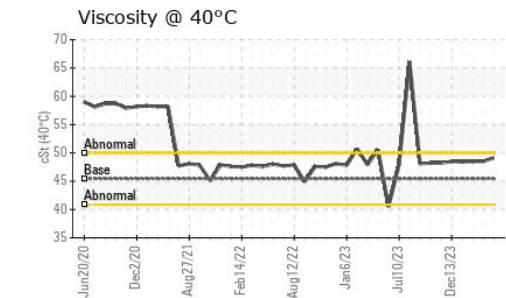
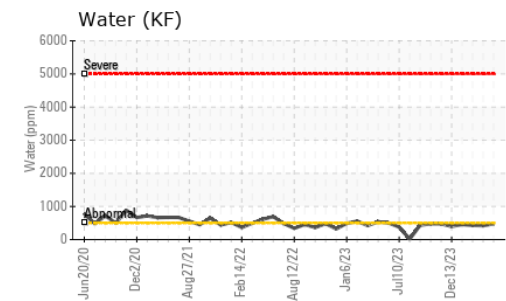
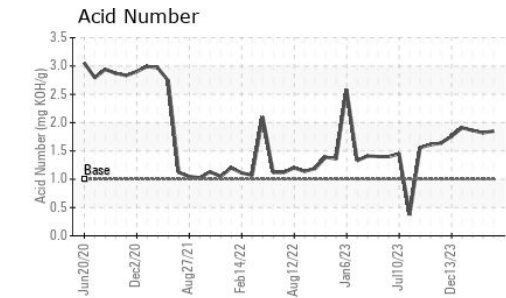
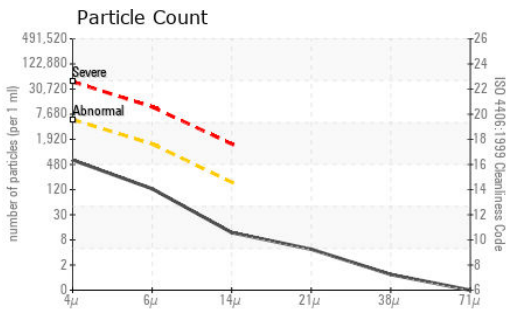
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>AN06194636</b>	AN06151129	AN06151117
Sample Date		Client Info		<b>11 Apr 2024</b>	12 Mar 2024	23 Feb 2024
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	NORMAL

Iron	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	<1	<1
Nickel	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>20	<b>2</b>	3	3
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</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>2</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	2
Water	%	ASTM D6304	>0.05	<b>0.047</b>	0.041	0.042
ppm Water	ppm	ASTM D6304	>500	<b>476</b>	418	426
Particles >4µm		ASTM D7647	>5000	<b>539</b>	1049	811
Particles >6µm		ASTM D7647	>1300	<b>111</b>	186	137
Particles >14µm		ASTM D7647	>160	<b>10</b>	10	11
Particles >21µm		ASTM D7647	>40	<b>4</b>	2	5
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>16/14/10</b>	17/15/10	17/14/11
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
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>7</b>	2	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>1</b>	1	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	1	1
Phosphorus	ppm	ASTM D5185m	196	<b>152</b>	209	207
Zinc	ppm	ASTM D5185m		<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m	1440	<b>1279</b>	2233	2196
Acid Number (AN)	mg KOH/g	ASTM D8045	1	<b>1.85</b>	1.82	1.86
Visc @ 40°C	cSt	ASTM D445	45.41	<b>49.1</b>	48.5	48.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN06194636  
**Lab Number** : 06194636  
**Unique Number** : 11056759  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**Received** : 29 May 2024  
**Tested** : 31 May 2024  
**Diagnosed** : 31 May 2024 - Wes Davis

**CONEXO INC**  
 2320 STARR LAKE DRIVE  
 ACWORTH, GA  
 US 30101  
 Contact: RICARDO HEIN  
 rhein@conexoinc.com

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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F: x: