



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CARRO PORTA / TUNDISH 1
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN06060241	AN05974965	AN05973632
Sample Date		Client Info		04 Oct 2023	01 Sep 2023	04 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<1	0	1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	3
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

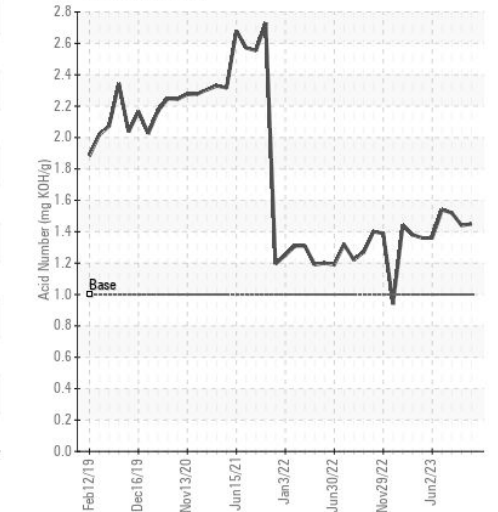
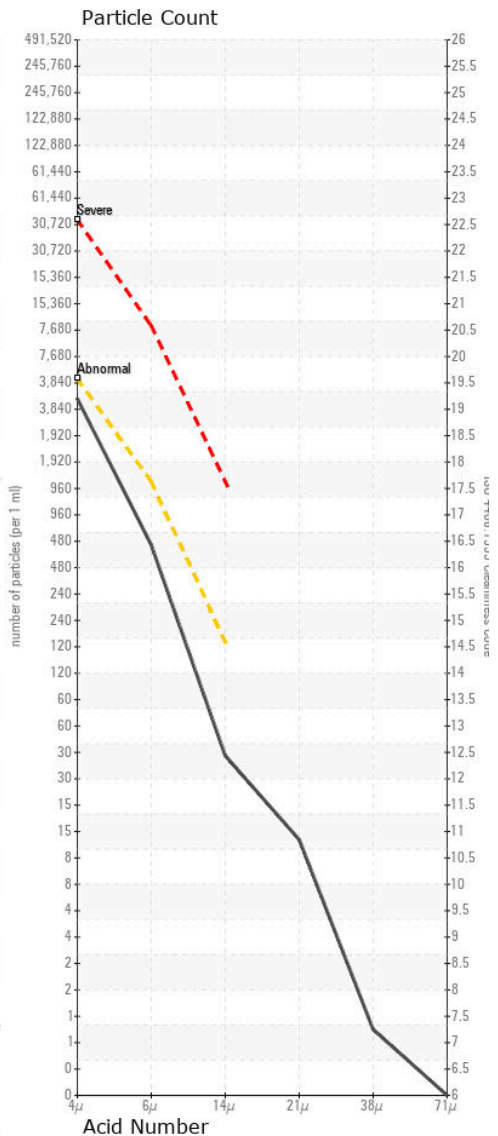
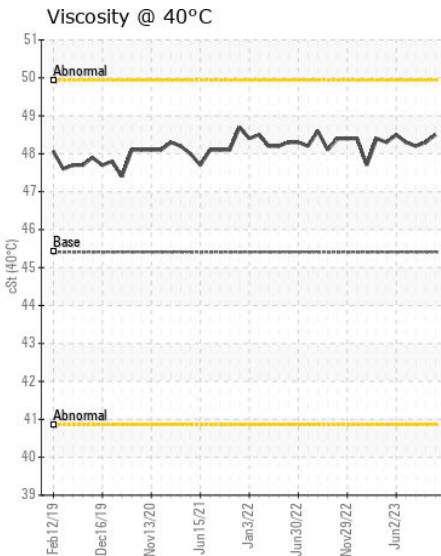
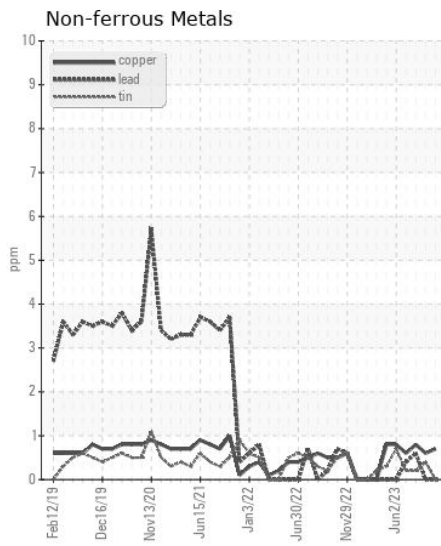
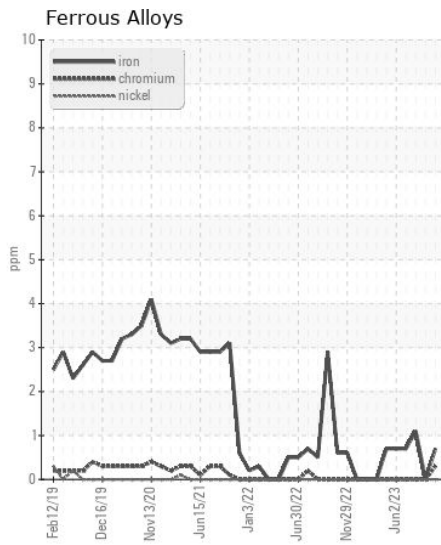
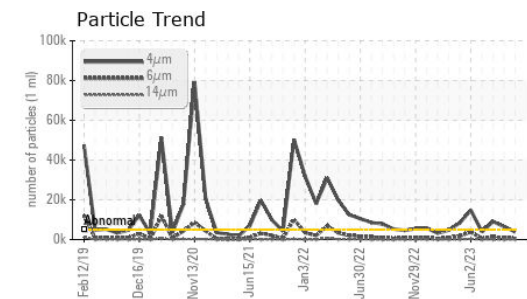
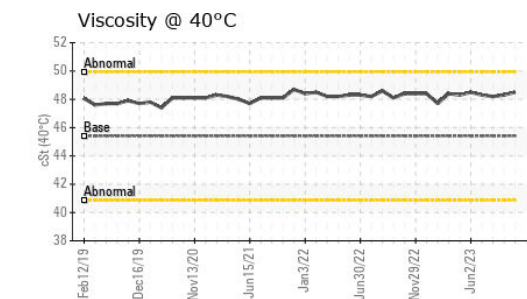
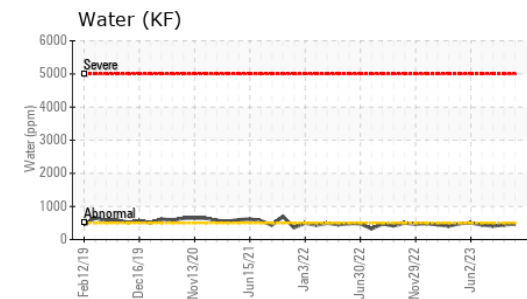
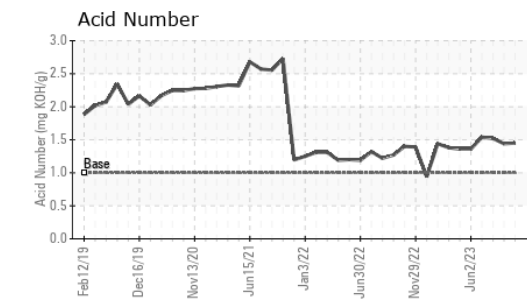
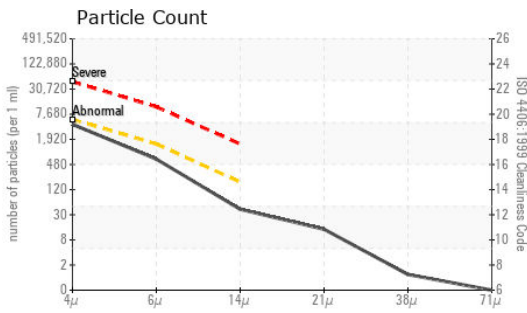
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
Water	%	ASTM D6304	>0.05	0.046	0.044	0.040
ppm Water	ppm	ASTM D6304	>500	467	446.1	407.5
Particles >4µm		ASTM D7647	>5000	3847	▲ 6532	▲ 9023
Particles >6µm		ASTM D7647	>1300	567	1001	▲ 1305
Particles >14µm		ASTM D7647	>160	36	65	36
Particles >21µm		ASTM D7647	>40	12	33	9
Particles >38µm		ASTM D7647	>10	1	6	1
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	▲ 20/17/13	▲ 20/18/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	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		0	<1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	4	0
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	196	284	243	286
Zinc	ppm	ASTM D5185m		0	0	3
Sulfur	ppm	ASTM D5185m	1440	1930	1740	2356
Acid Number (AN)	mg KOH/g	ASTM D8045	1	1.45	1.44	1.52
Visc @ 40°C	cSt	ASTM D445	45.41	48.5	48.3	48.2



Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN06060241 **Received** : 12 Jan 2024
Lab Number : 06060241 **Diagnosed** : 16 Jan 2024
Unique Number : 10831623 **Diagnostician** : Wes Davis
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: