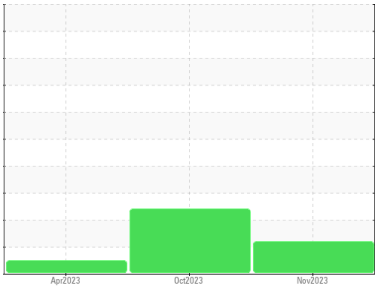
CCECO A Y2K Fluid Power Brand

OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
CU006
Component
Hydraulic System
Fluid
CONOCO MEGAFLOW AW 46 (--- GAL)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

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

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**Y2K0001646**	Y2K0000998	Y2K0001054
Sample Date		Client Info		**07 Nov 2023**	10 Oct 2023	17 Apr 2023
Machine Age	hrs	Client Info		**8000**	7920	7400
Oil Age	hrs	Client Info		**1400**	1500	750
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ATTENTION**	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**0**	5	<1
Chromium	ppm	ASTM D5185m	>10	**<1**	17	0
Nickel	ppm	ASTM D5185m	>10	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>10	**0**	0	0
Lead	ppm	ASTM D5185m	>10	**0**	0	0
Copper	ppm	ASTM D5185m	>75	**1**	1	<1
Tin	ppm	ASTM D5185m	>10	**2**	0	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	0
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	1
Manganese	ppm	ASTM D5185m		**0**	0	0
Magnesium	ppm	ASTM D5185m		**0**	0	<1
Calcium	ppm	ASTM D5185m		**68**	77	36
Phosphorus	ppm	ASTM D5185m		**320**	336	240
Zinc	ppm	ASTM D5185m		**436**	413	323
Sulfur	ppm	ASTM D5185m		**817**	958	1024

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**<1**	2	1
Sodium	ppm	ASTM D5185m		**<1**	2	0
Potassium	ppm	ASTM D5185m	>20	**0**	<1	<1
Water	%	ASTM D6304	>0.1	**0.004**	0.002	0.003
ppm Water	ppm	ASTM D6304	>1000	**46**	21.2	32.5

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **6485**	▲ 144637	3451
Particles >6µm		ASTM D7647	>1300	▲ **1304**	▲ 79858	878
Particles >14µm		ASTM D7647	>160	**64**	▲ 4604	52
Particles >21µm		ASTM D7647	>40	**13**	▲ 829	7
Particles >38µm		ASTM D7647	>10	**0**	▲ 16	0
Particles >71µm		ASTM D7647	>3	**0**	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **20/18/13**	▲ 24/23/19	19/17/13

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	**0.20**	0.22	0.20

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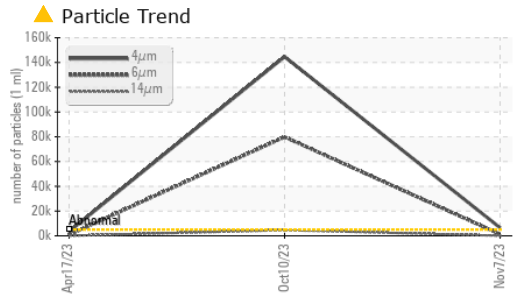
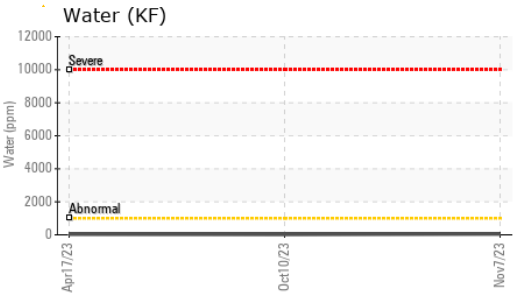
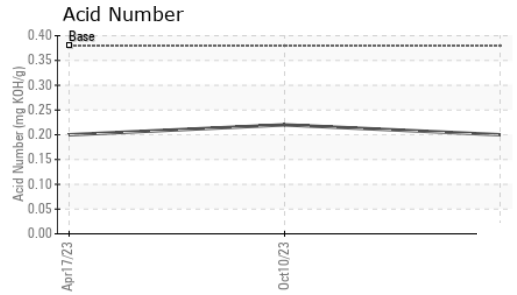
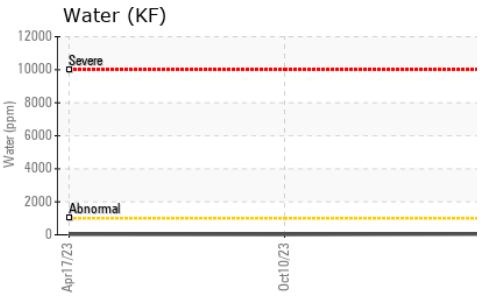
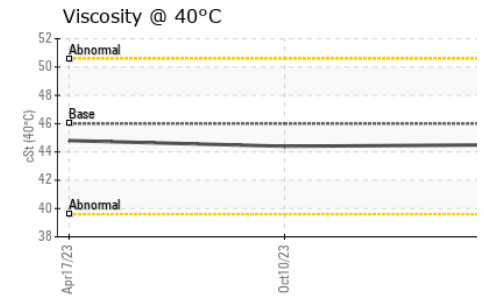






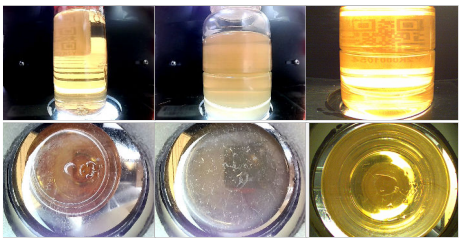




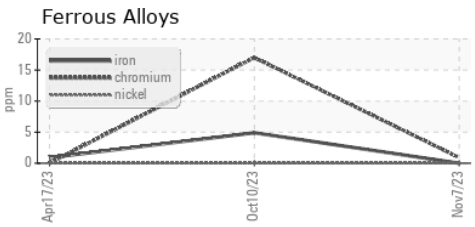
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

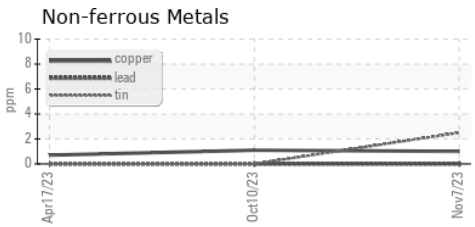
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	**44.5**	44.4	44.8

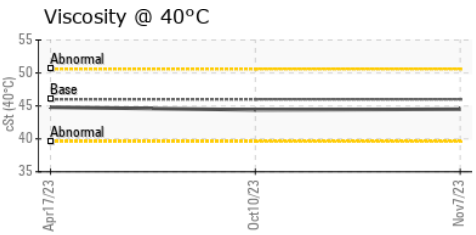
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

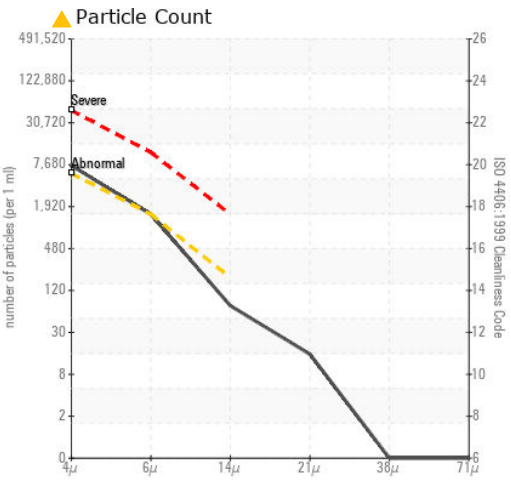


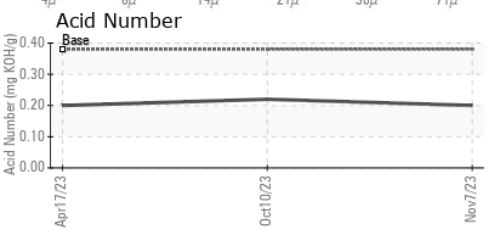
GRAPHS











Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : Y2K0001646 **Received** : 22 Nov 2023
Lab Number : 06015777 **Diagnosed** : 27 Nov 2023
Unique Number : 10754921 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: KF)

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)

KING COUNTY SOLID WASTE
16645 228TH AVE SE
MAPLE VALLEY, WA
US 98038
Contact: BRIAN HAVENER
brian.havener@kingcounty.gov
T:
F: