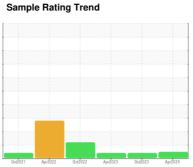


OIL ANALYSIS REPORT



NORMAL



Machine Id
65 TON

Component Hydraulic System

CONOCO HYDRAULIC AW ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

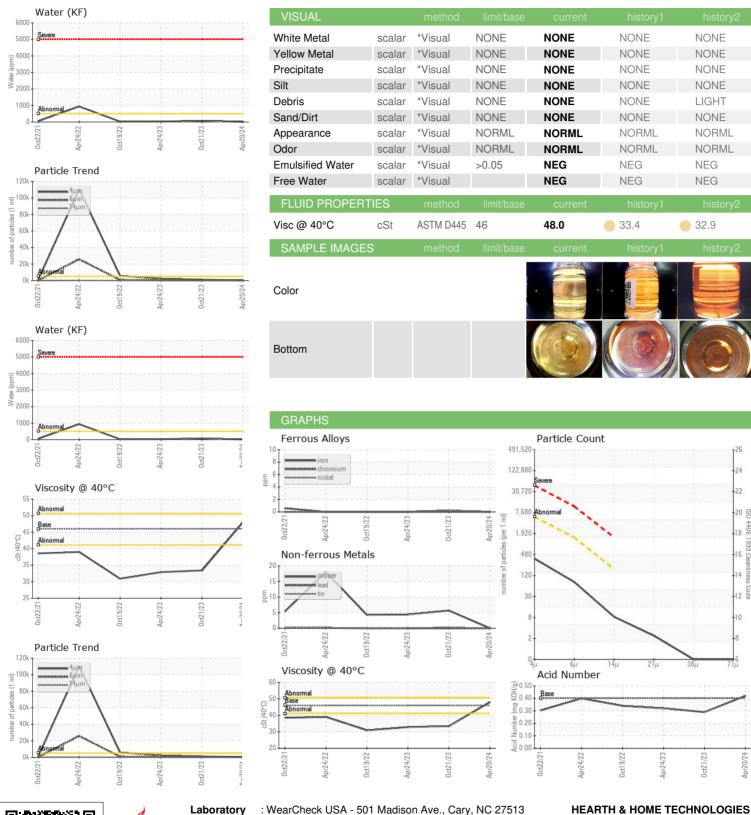
Fluid Condition

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

)		0et2021	Apr2022 Oct2022	Apr2023 Oct2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		Y2K0001108	Y2K0001102	Y2K0001104
Sample Date		Client Info		20 Apr 2024	21 Oct 2023	24 Apr 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	6	4
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	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	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	2
Calcium	ppm	ASTM D5185m		38	47	49
Phosphorus	ppm	ASTM D5185m		312	360	389
Zinc	ppm	ASTM D5185m	3100	423	393	442
Sulfur	ppm	ASTM D5185m		2405	1047	1266
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	0
Sodium	ppm	ASTM D5185m		<1	0	1
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.001	0.007	0.003
ppm Water	ppm	ASTM D6304	>500	12	71.3	27.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	321	1131	2135
Particles >6µm		ASTM D7647	>1300	69	188	409
Particles >14µm		ASTM D7647	>160	7	15	19
Particles >21µm		ASTM D7647	>40	2	5	5
Particles >38µm		ASTM D7647	>10	0	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/13/10	17/15/11	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.42	0.29	0.32



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

: Y2K0001108 Lab Number : 06161431 Unique Number : 10996854

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024 **Tested** : 29 Apr 2024 Diagnosed : 30 Apr 2024 - Don Baldridge

Test Package: MOB 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (952)985-6542 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

800 W JEFFERSON ST

Contact: M KRUEGER

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LAKE CITY, MN

US 55041