

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **110 TON** Component Hydraulic System

CONOCO MULTIPURPOSE R&O OIL ISO 6

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

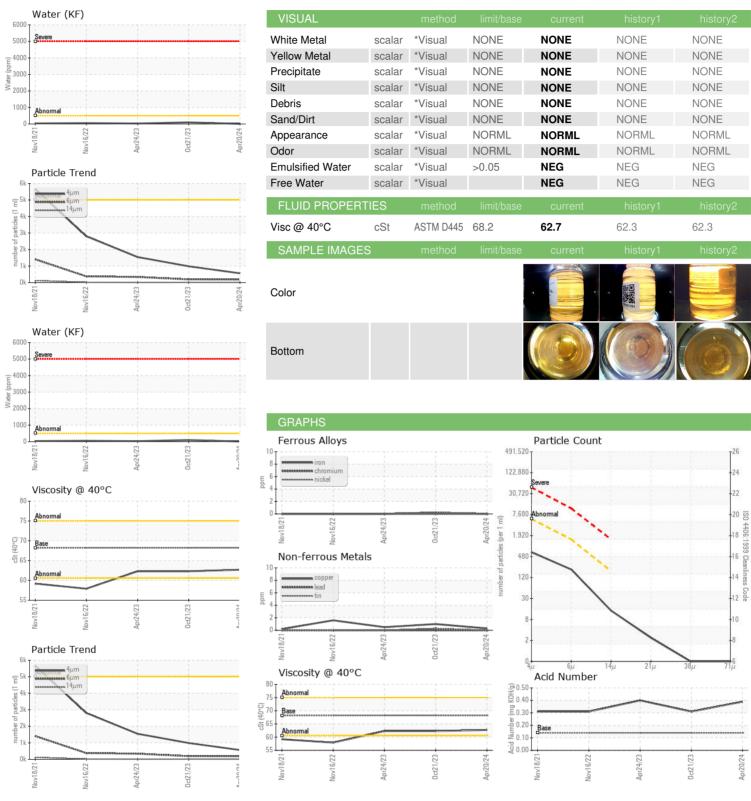
Fluid Condition

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

88 (GAL)		Nov2021	Nov2022	Apr2023 Oct2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		Y2K0001106	Y2K0001094	Y2K0001101
Sample Date		Client Info		20 Apr 2024	21 Oct 2023	24 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
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	0	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	<1	1	<1
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	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	1
Calcium	ppm	ASTM D5185m		47	55	56
Phosphorus	ppm	ASTM D5185m		357	395	422
Zinc	ppm	ASTM D5185m		494	497	563
Sulfur	ppm	ASTM D5185m		1315	1338	1595
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.05	0.001	0.010	0.003
ppm Water	ppm	ASTM D6304	>500	9	101.1	29.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	563	985	1546
Particles >6µm		ASTM D7647	>1300	180	191	339
Particles >14μm		ASTM D7647	>160	12	14	11
Particles >21µm		ASTM D7647	>40	2	5	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/11	17/15/11	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.39	0.31	0.40



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Certificate 12367

Laboratory

Sample No. Lab Number

Unique Number : 10996855

: Y2K0001106 : 06161432

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 26 Apr 2024 Diagnosed Test Package : MOB 2 (Additional Tests: KF)

: 29 Apr 2024

: 30 Apr 2024 - Don Baldridge

US 55041 Contact: M KRUEGER kruegerm@hearthnhome.com T: (952)985-6542

800 W JEFFERSON ST

LAKE CITY, MN

HEARTH & HOME TECHNOLOGIES

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)