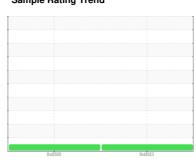


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id 212 Component **Hydraulic System** NOT GIVEN (--- GAL)

## Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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.

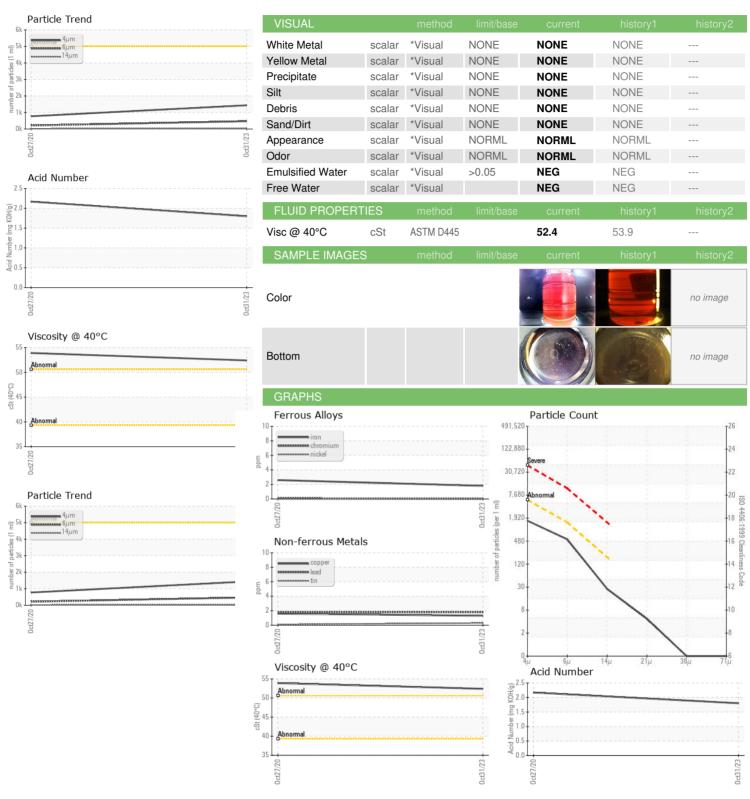
## **Fluid Condition**

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

OAMBLE INFORM	AATION		0ct2020	0ct2023	111	1: 0
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0854099	WC0512301	
Sample Date		Client Info		31 Oct 2023	27 Oct 2020	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	3	
Chromium	ppm	ASTM D5185m	>20	0	<1	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>20	<1	0	
Lead	ppm	ASTM D5185m	>20	2	2	
Copper	ppm	ASTM D5185m	>20	1	2	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	6	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		2	3	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		36	32	
Calcium	ppm	ASTM D5185m		3128	3357	
Phosphorus	ppm	ASTM D5185m		1246	1290	
Zinc	ppm	ASTM D5185m		1274	1229	
Sulfur	ppm	ASTM D5185m		4696	4367	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	3	
Sodium	ppm	ASTM D5185m		1	0	
Potassium	ppm	ASTM D5185m	>20	2	2	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	1433	772	
Particles >6µm		ASTM D7647	>1300	469	213	
Particles >14µm		ASTM D7647	>160	24	17	
Particles >21µm		ASTM D7647		4	3	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	17/15/11	
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.80	2.169	



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : PLANT

: WC0854099 : 05995541 : 10723901

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Nov 2023 Diagnosed : 02 Nov 2023 : Don Baldridge Diagnostician

**ENGINEERED MECHANICAL SYSTEM** 118 PARMENAS LN

CHATTANOOGA, TN US 37405

Contact: DAVID HUSKY

dhusky@emsfab.com T:

\* - 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)

F: