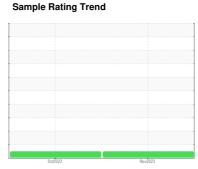


# **OIL ANALYSIS REPORT**







# EAF ROOM

Component **Hydraulic System** 

**NOT GIVEN (--- GAL)** 

## Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

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

## **Fluid Condition**

The pH level of this fluid is within the acceptable limits. The pH is 9.00. The condition of the fluid is acceptable for the time in service.

			0et2022	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST42650	ST39227	
Sample Date		Client Info		07 Nov 2023	18 Oct 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed	0	Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	0	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>20	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>20	10	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m		<1	1	
Tin	ppm	ASTM D5185m	>20	<1	0	
Vanadium	ppm	ASTM D5185m		1	<1	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		2	0	
Calcium	ppm	ASTM D5185m		5	0	
Phosphorus	ppm	ASTM D5185m		19	12	
Zinc	ppm	ASTM D5185m		22	0	
Sulfur	ppm	ASTM D5185m		0	0	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	<1	
Sodium	ppm	ASTM D5185m		35	0	
Potassium	ppm	ASTM D5185m	>20	5	<1	
Water	%	ASTM D6304	>0.05	41.2	40.7	
ppm Water	ppm	ASTM D6304	>500	412000	407000	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1679	1129	
Particles >6µm		ASTM D7647	>1300	915	615	
Particles >14µm		ASTM D7647	>160	156	105	
Particles >21µm		ASTM D7647	>40	52	35	
Particles >38µm		ASTM D7647	>10	8	5	
Particles >71μm		ASTM D7647	>3	1	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	17/16/14	



## **OIL ANALYSIS REPORT**





Certificate L2367

Sample No. Lab Number **Unique Number** 

: ST42650 : 06007031 : 10740793 Received Diagnosed

: 29 Nov 2023 Diagnostician : Doug Bogart

Test Package : IND 2 (Additional Tests: KF, ph, VI) 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) 912 CHENEY AVE MARION, OH US 43302

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