

## **OIL ANALYSIS REPORT**

### Sample Rating Trend

### **NORMAL**

# MELT SHOP - HYDRAULIC MELT SHOP EAF INLINE HEATER

Component **Hydraulic System** 

**FIRE-RESISTANT FLUID ISO 46 (5 GAL)** 

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

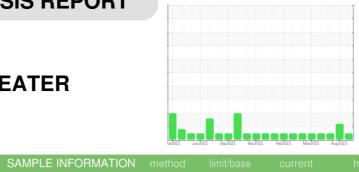
All component wear rates are normal.

### Contamination

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

### **Fluid Condition**

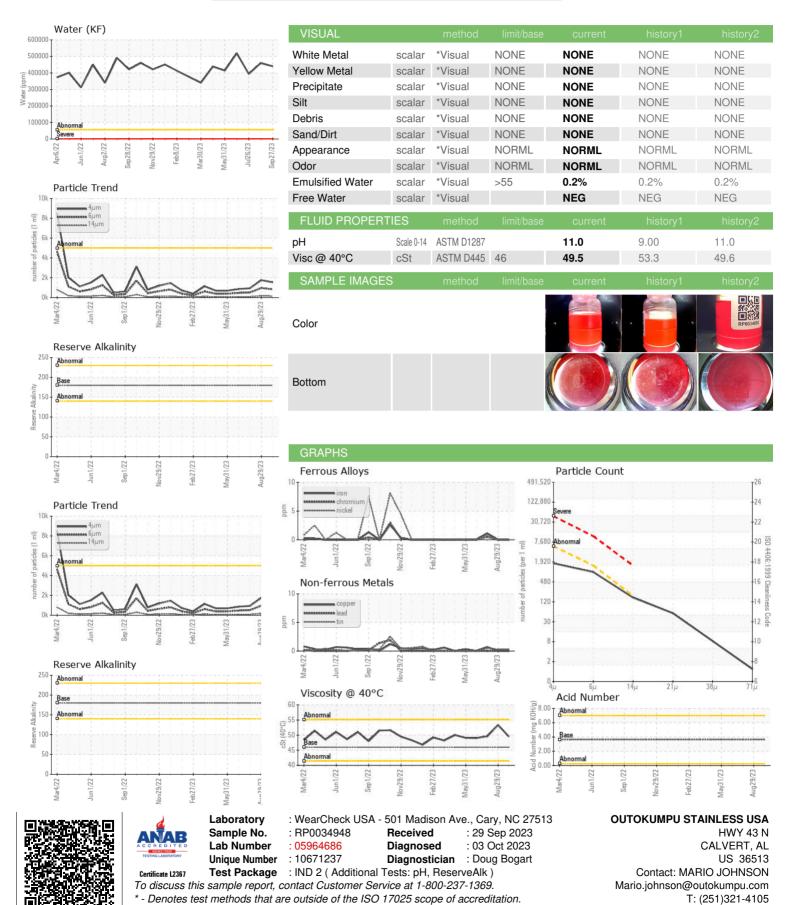
The pH level of this fluid is within the acceptable limits at 11.0. The condition of the oil is acceptable for the time in service.



SAMPLE INFORM	MATION	method	IIIIII/base	current	riistory i	riistoryz
Sample Number		Client Info		RP0034948	RP0038427	RP0034892
Sample Date		Client Info		27 Sep 2023	29 Aug 2023	26 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m	720	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	<b>&gt;20</b>	0	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m	720	0	0	<1
Cadmium		ASTM D5185m		0	0	<1
	ppm	AOTIVI DOTOSIII			0	<u> </u>
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	<1
Barium	ppm	ASTM D5185m	5	0	0	1
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	5	3	0	0
Calcium	ppm	ASTM D5185m	50	2	0	0
Phosphorus	ppm	ASTM D5185m	175	4	2	6
Zinc	ppm	ASTM D5185m	62	7	0	9
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	1
Sodium	ppm	ASTM D5185m		0	0	8
Potassium	ppm	ASTM D5185m	>20	0	<1	3
Water	%	ASTM D6304	>55	44.0	45.9	39.4
ppm Water	ppm	ASTM D6304	>55000	440000	459000	394000
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1531	1757	940
Particles >6µm		ASTM D7647	>1300	834	957	512
Particles >14µm		ASTM D7647	>160	142	<u></u> 163	87
Particles >21µm		ASTM D7647	>40	48	<u></u> 55	29
Particles >38µm		ASTM D7647	>10	7	8	5
Particles >71µm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	▲ 18/17/15	17/16/14
		(5)				,,



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

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