

OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

NORMAL

MELT SHOP - HYDRAULIC

MELT SHOP EAF-DE-SLAG HYDRAULIC UNIT (S/N 15-2000-0770)

Component

Tank Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (200 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

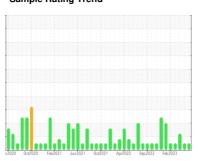
All component wear rates are normal.

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

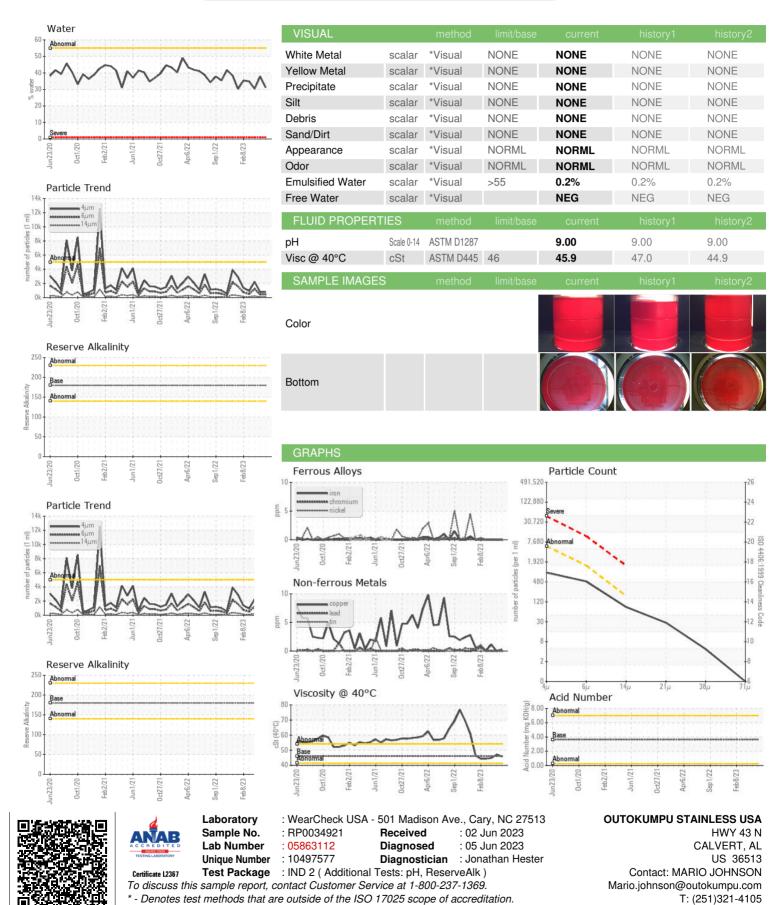
The pH level of this fluid is within the acceptable limits at 9.0. The condition of the oil is acceptable for the time in service.



Sample Number		Client Info		RP0034921	RP0034598	RP0030522
Sample Date		Client Info		31 May 2023	02 May 2023	30 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status		Oliciti IIIIo		NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	6	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	0	1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	0	4	<1
Calcium	ppm	ASTM D5185m	50	0	0	<1
Phosphorus	ppm	ASTM D5185m	175	2	0	62
Zinc	ppm	ASTM D5185m	62	0	0	5
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	2
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>55	31.2	37.9	30.4
ppm Water	ppm	ASTM D6304	>55000	312000	379000	304000
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	800	757	2218
Particles >6µm		ASTM D7647	>1300	436	412	1208
Particles >14µm		ASTM D7647	>160	74	70	<u>^</u> 206
Particles >21µm		ASTM D7647	>40	25	24	△ 69
Dortiolog - 20.m		ASTM D7647	>10	4	4	11
Particles >38µm		710111127011	0	-		
Particles >36µm		ASTM D7647		0	0	1



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

F: x:

T: (251)321-4105