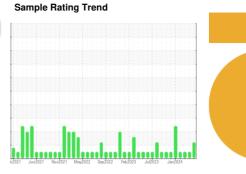


# **OIL ANALYSIS REPORT**

# **MELT SHOP - HYDRAULIC MELT SHOP LTS MAIN HYD (S/N 15-4000-0770)**

Tank Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (396 GAL)





### Recommendation

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

All component wear rates are normal.

### Contamination

There is a moderate amount of particulates present in the oil.

### **Fluid Condition**

The pH level of this fluid is within the acceptable limits at 8.00. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0038049	RP0035578	RP0042619
Sample Date		Client Info		11 Apr 2024	28 Mar 2024	05 Mar 2024
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				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	6	6
Chromium	ppm	ASTM D5185m	>20	0	1	1
Nickel	ppm	ASTM D5185m	>20	0	1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	11	11
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	1
Tin Vanadium	ppm	ASTM D5185m	>20	0	1	1
Cadmium	ppm	ASTM D5185m		0	<1	<1
	ppm	ASTIVI DOTOSITI				
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	4	1
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m	_	0	<1	0
Magnesium	ppm	ASTM D5185m	5	0	<1	<1
Calcium	ppm	ASTM D5185m	50	3	6	6
Phosphorus	ppm	ASTM D5185m	175	14 15	6 3	3
Zinc	ppm	ASTM D5185m	62	15	3	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	3	2
Sodium	ppm	ASTM D5185m		0	35	34
Potassium	ppm	ASTM D5185m	>20	0	7	8
Water	%	ASTM D6304	>55	43.6	42.7	41.4
ppm Water	ppm	ASTM D6304	>55000	436000	427000	414000
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2071	1096	618
Particles >6µm		ASTM D7647	>1300	1128	597	336
Particles >14µm		ASTM D7647	>160	<u> </u>	102	57
Particles >21µm		ASTM D7647	>40	<b>65</b>	34	19
Particles >38μm		ASTM D7647	>10	10	5	3
Particles >71μm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/15	17/16/14	16/16/13



## **OIL ANALYSIS REPORT**







Laboratory

Sample No.

: RP0038049 Lab Number : 06147419

Unique Number : 10977497

Diagnosed Test Package : IND 2 ( Additional Tests: pH, ReserveAlk )

Received

**Tested** 

: 12 Apr 2024

: 17 Apr 2024

Certificate 12367 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.

: 17 Apr 2024 - Jonathan Hester

US 36513 Contact: MARIO JOHNSON Mario.johnson@outokumpu.com T: (251)321-4105

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

F: x:

HWY 43 N

CALVERT, AL