

PROBLEM SUMMARY

Sample Rating Trend

WATER

WATER

MELT SHOP - HYDRAULIC

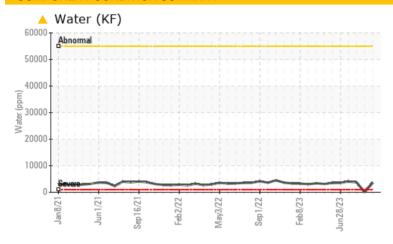
MELT SHOP GRINDER MAIN HYDRAULIC (S/N 15-8000-0815-0100)

Component

Tank Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (1056 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS											
Sample Status				ABNORMAL	NORMAL	ABNORMAL					
Water	%	ASTM D6304	>55	△ 0.355	0.004	△ 0.372					
ppm Water	ppm	ASTM D6304	>55000	3554.1	47.6	▲ 3726.8					

Customer Id: OUTCALAL Sample No.: RP0038615 Lab Number: 05968995 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

27 Sep 2023 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



29 Aug 2023 Diag: Don Baldridge

WATER



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



26 Jul 2023 Diag: Don Baldridge

WATER



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

WATER

MELT SHOP - HYDRAULIC

MELT SHOP GRINDER MAIN HYDRAULIC (S/N 15-8000-0815-0100)

Component

Tank Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (1056 GAL)

DIAGNOSIS

Recommendation

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

Wear

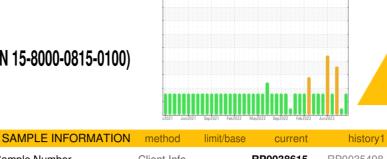
All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

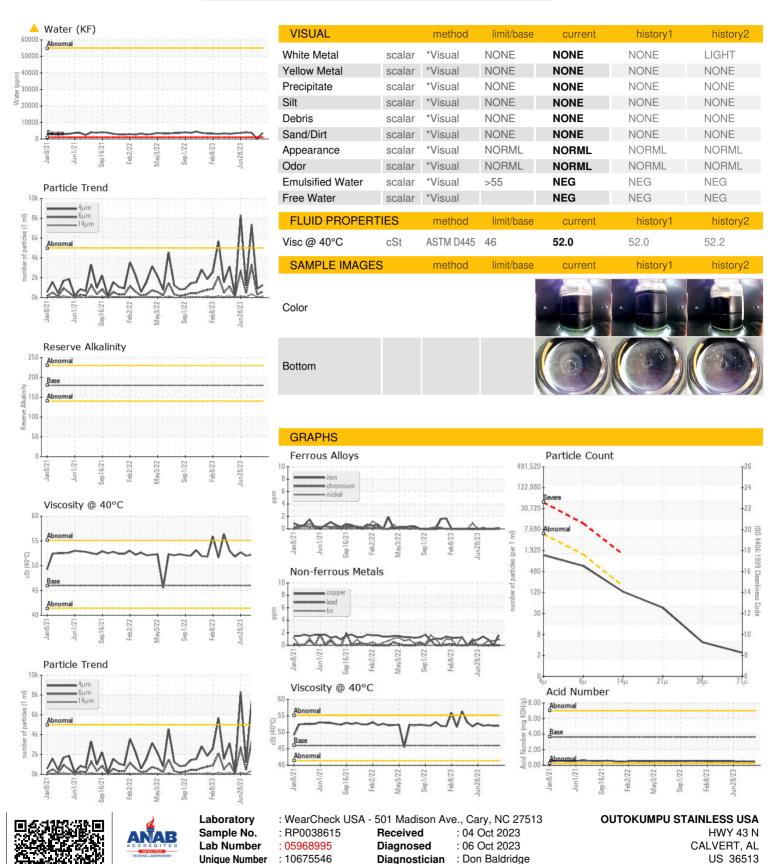
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Sample Number		Client Info		RP0038615	RP0035498	RP0038430
Sample Date		Client Info		03 Oct 2023	27 Sep 2023	29 Aug 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				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	0	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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	3	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	5	0	5	1
Calcium	ppm	ASTM D5185m	50	6	4	4
Phosphorus	ppm	ASTM D5185m	175	573	646	585
Zinc	ppm	ASTM D5185m	62	0	16	3
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		11	10	11
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>55	△ 0.355	0.004	△ 0.372
ppm Water	ppm	ASTM D6304	>55000	△ 3554.1	47.6	▲ 3726.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1242	882	▲ 7377
Particles >6µm		ASTM D7647	>1300	607	285	▲ 3235
Particles >14μm		ASTM D7647	>160	112	30	△ 344
Particles >21µm		ASTM D7647	>40	39	9	<u></u> ▲ 86
Particles >38μm		ASTM D7647	>10	4	0	2
Particles >71μm		ASTM D7647	>3	2	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/14	17/15/12	2 0/19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.63	0.51	0.47	0.52



OIL ANALYSIS REPORT



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

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

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.

Certificate L2367

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