

OIL ANALYSIS REPORT

OIO DEDODE

Area

MELT SHOP - HYDRAULIC MELT SHOP TUNDISH FLIPPING STAND

Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (275 GAL)



Sample Rating Trend



DIAGNOSIS

Recommendation

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.

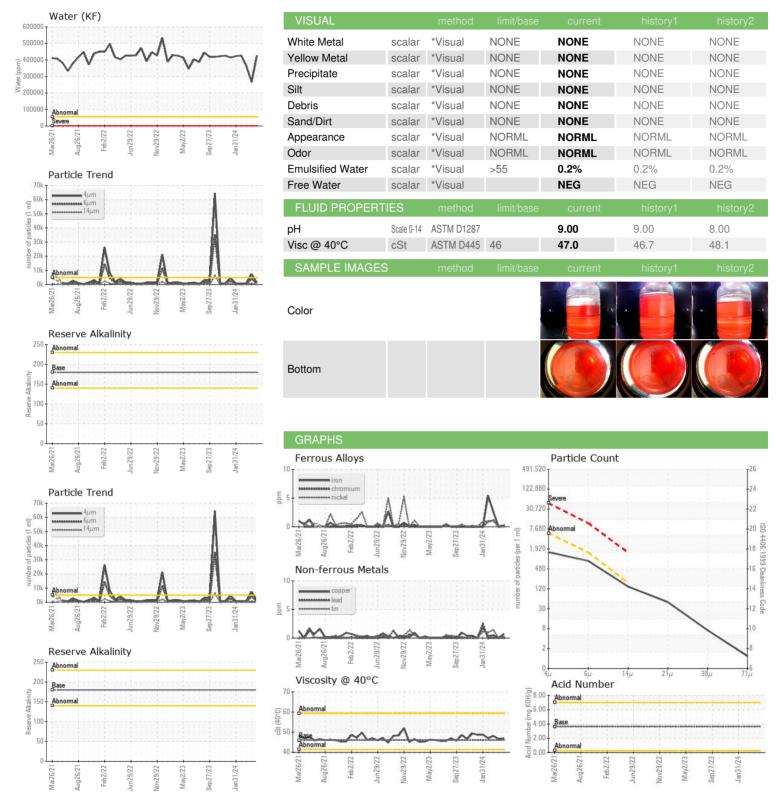
Fluid Condition

The pH level of this fluid is within the acceptable limits at 8.0. The condition of the oil is acceptable for the time in service.

		never range.	TOUCOLL OUTLOAL	maybaba aapbaba	out to	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0044186	RP0042704	RP0035579
Sample Date		Client Info		06 Jun 2024	09 May 2024	28 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				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	3
Chromium	ppm	ASTM D5185m	>20	<1	0	1
Nickel	ppm	ASTM D5185m	>20	0	0	1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	11
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	0	<1
Tin	ppm	ASTM D5185m	>20	<1	0	1
Vanadium	ppm	ASTM D5185m		0	0	1
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	2
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	5	<1	<1	<1
Calcium	ppm	ASTM D5185m	50	0	0	6
Phosphorus	ppm	ASTM D5185m	175	7	0	6
Zinc	ppm	ASTM D5185m	62	8	11	3
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	3
Sodium	ppm	ASTM D5185m		<1	0	32
Potassium	ppm	ASTM D5185m	>20	<1	<1	7
Water	%	ASTM D6304	>55	42.5	26.6	36.2
ppm Water	ppm	ASTM D6304	>55000	425000	266000	362000
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1340	<u></u> 7238	705
Particles >6µm		ASTM D7647	>1300	730	△ 3943	384
Particles >14μm		ASTM D7647	>160	124	<u></u> 671	65
Particles >21µm		ASTM D7647		42	<u>^</u> 226	22
Particles >38µm		ASTM D7647	>10	6	<u> </u>	3
Particles >71µm		ASTM D7647		1	<u>4</u>	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	<u>△</u> 20/19/17	17/16/13
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Laboratory Sample No. Lab Number

: RP0044186 : 06203428 Unique Number : 11070889

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Tested : 13 Jun 2024 Diagnosed

: 13 Jun 2024 - Angela Borella

: 07 Jun 2024

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

OUTOKUMPU STAINLESS USA

HWY 43 N CALVERT, AL 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)

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