

OIL ANALYSIS REPORT

Sample Rating Trend

WATER

A

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

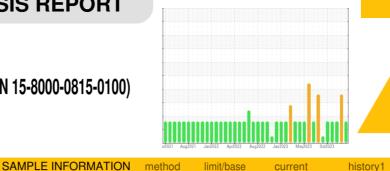
All component wear rates are normal.

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 INFORM	MATION	method	IIIIII/base	current	nistory i	nistory2
Sample Number		Client Info		RP0039324	RP0038545	RP0038065
Sample Date		Client Info		31 Jan 2024	04 Jan 2024	06 Dec 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	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	1	1	<1
Lead	ppm	ASTM D5185m	>20	3	0	0
Copper	ppm	ASTM D5185m	>20	3	1	2
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	8	0	0
Barium	ppm	ASTM D5185m	5	0	10	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Manganese	ppm	ASTM D5185m		2	0	<1
Magnesium	ppm	ASTM D5185m	5	2	<1	2
Calcium	ppm	ASTM D5185m	50	1	3	3
Phosphorus	ppm	ASTM D5185m	175	596	600	602
Zinc	ppm	ASTM D5185m	62	0	3	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	<1
Sodium	ppm	ASTM D5185m		9	11	11
Potassium	ppm	ASTM D5185m	>20	5	1	2
Water	%	ASTM D6304	>55	<u> </u>	△ 0.355	△ 0.189
ppm Water	ppm	ASTM D6304	>55000	<u> </u>	<u></u> 3560	<u>▲</u> 1890
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	512	2784	618
Particles >6µm		ASTM D7647	>1300	189	▲ 1517	336
Particles >14μm		ASTM D7647	>160	29	▲ 258	57
Particles >21µm		ASTM D7647	>40	9	A 87	19
Particles >38µm		ASTM D7647	>10	1	1 3	3
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/12	1 9/18/15	16/16/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.63	0.47	0.45	0.48



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

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