

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



MELT SHOP - HYDRAULIC

MELT SHOP AOD SOUTH INLINE LADLE PREHEATER (S/N 15-3000-0740-1300)

Component

Tank Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (20 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.

		12020 Oct20	10 Feb2021 Jun2021	OULDET PRIEDEE OUPEDEE	902023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0034922	RP0034594	RP0030448
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		Client Info		N/A	N/A	N/A
Sample Status				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	0
Aluminum	ppm	ASTM D5185m	>20	0	6	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	0
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	5	<1
Calcium	ppm	ASTM D5185m	50	0	0	<1
Phosphorus	ppm	ASTM D5185m	175	2	1	58
Zinc	ppm	ASTM D5185m	62			
		7.0120100	02	0	0	1
CONTAMINANTS		method	limit/base	current	0 history1	1 history2
CONTAMINANTS Silicon						
	3	method	limit/base	current	history1	history2
Silicon	ppm	method ASTM D5185m	limit/base	current 0	history1	history2 2
Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >15 >20	current 0 0	history1 0 0	history2 2 0
Silicon Sodium Potassium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >15 >20 >55	current 0 0 <	history1 0 0 0	history2 2 0 <1
Silicon Sodium Potassium Water	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	limit/base >15 >20 >55	current 0 0 <-1 46.8 468000	history1 0 0 0 43.5	history2 2 0 <1 39.0
Silicon Sodium Potassium Water ppm Water	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	limit/base >15 >20 >55 >55000	current 0 0 <-1 46.8 468000	history1 0 0 0 43.5 435000	history2 2 0 <1 39.0 390000
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	limit/base >15 >20 >55 >55000 limit/base	current 0 0 <1 46.8 468000 current	history1 0 0 0 43.5 435000 history1	history2 2 0 <1 39.0 390000 history2
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	limit/base >15 >20 >55 >55000 limit/base >5000	current 0 0 <	history1 0 0 0 43.5 435000 history1 1279	history2 2 0 <1 39.0 390000 history2 2914
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	limit/base >15 >20 >55 >55000 limit/base >5000 >1300 >160	current 0 0 <1 46.8 468000 current 974 531	history1 0 0 0 43.5 435000 history1 1279 697	history2 2 0 <1 39.0 390000 history2 2914 1588
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 >55 >55000 limit/base >5000 >1300 >160	current 0 0 <1 46.8 468000 current 974 531 90	history1 0 0 0 43.5 435000 history1 1279 697 119	history2 2 0 <1 39.0 390000 history2 2914 1588 270
Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm % ppm	method ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 >55 >55000 limit/base >5000 >1300 >160 >40 >10	current 0 0	history1 0 0 0 43.5 435000 history1 1279 697 119 40	history2 2 0 <1 39.0 390000 history2 2914 1588 270 91



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: 05863116 : 10497581

: RP0034922

Diagnosed Diagnostician

: 05 Jun 2023 : Jonathan Hester

Test Package : IND 2 (Additional Tests: pH, ReserveAlk) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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