

OIL ANALYSIS REPORT

Sample Rating Trend

WATER



YACHT CRANE

Port Hydraulic System

TOTAL AW 46 (5 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

All component wear rates are normal.

Contamination

Appearance is milky. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

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

			Jan 2024	Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST44740	ST44535	
Sample Date		Client Info		08 Feb 2024	31 Jan 2024	
Machine Age	yrs	Client Info		0	0	
Oil Age	yrs	Client Info		1	1	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	3	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	1	
Copper	ppm	ASTM D5185m	>20	<1	5	
Tin	ppm	ASTM D5185m	>20	<1	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	<1	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		4	4	
Calcium	ppm	ASTM D5185m		69	60	
Phosphorus	ppm	ASTM D5185m		365	331	
Zinc	ppm	ASTM D5185m		479	461	
Sulfur	ppm	ASTM D5185m		985	1056	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	
Sodium	ppm	ASTM D5185m		<1	2	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304	>0.05	<u> </u>	△ 0.779	
ppm Water	ppm	ASTM D6304	>500	<u> </u>	<u></u> 7790	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	1140	▲ 2297	
Particles >6µm		ASTM D7647	>320	621	<u>1251</u>	
Particles >14μm		ASTM D7647	>40	<u> 106</u>	<u>^</u> 213	
Particles >21μm		ASTM D7647	>10	<u>^</u> 36	<u>^</u> 72	
Particles >38μm		ASTM D7647	>3	<u>^</u> 5	<u> 11</u>	
Particles >71μm		ASTM D7647		1	1	
Oil Cleanliness		ISO 4406 (c)	>17/15/12	<u> </u>	<u> </u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.49	0.57	



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