

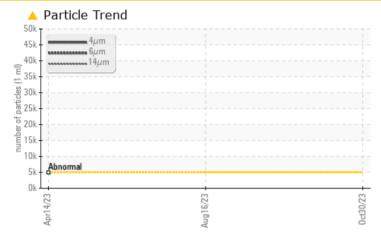
PROBLEM SUMMARY

Area OCEAN NAVIGATOR Machine Id [OCEAN NAVIGATOR] OCEAN NAVIGATOR DECK

Crane

Fluid CASTROL HYSPIN AWH-M ISO 68 (180 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

THOBEEM THO T	LOTTILLOOLIO			
Sample Status		ABNORMAL	SEVERE	ABNORMAL
Particles >4µm	ASTM D7647 >	>5000 🔺 45466		
Particles >6µm	ASTM D7647 >	>1300 🔺 7068		
Particles >14µm	ASTM D7647	>160 🔺 391		
Particles >21µm	ASTM D7647	>40 🔺 86		
Oil Cleanliness	ISO 4406 (c)	>19/17/14 🔺 23/20/16		

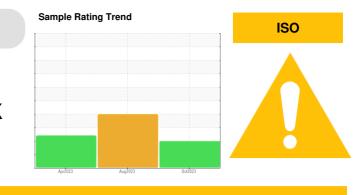
Customer Id: VICNEWIN Sample No.: WC0824867 Lab Number: 06006270 Test Package: MAR 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

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



RECOMMENDED AC	COMMENDED ACTIONS				
Action	Status	Date	Done By	Description	
Change Filter			?	We recommend you service the filters on this component.	

HISTORICAL DIAGNOSIS

WATER



We advise that you check for the source of water entry. We advise that you perform a filter service, and use offline filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid.

14 Apr 2023 Diag: Angela Borella

16 Aug 2023 Diag: Don Baldridge

WATER



Check seals and/or filters for points of contaminant entry. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. Appearance is hazy. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



view report





OIL ANALYSIS REPORT

Area OCEAN NAVIGATOR Machine Id [OCEAN NAVIGATOR] OCEAN NAVIGATOR DECK

Crane

Fluid CASTROL HYSPIN AWH-M ISO 68 (180 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

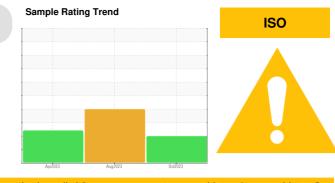
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the fluid.

Fluid Condition

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



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0824867	WC0824503	WC0667219
Sample Date		Client Info		30 Oct 2023	16 Aug 2023	14 Apr 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	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	5	1
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>20	<1	<1	0
Copper	ppm	ASTM D5185m		<1	2	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	3	0
ADDITIVES	le le	method	limit/base	current	history1	history2
			IIIIIVDase			
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		<1	1	3
Calcium	ppm	ASTM D5185m		50	32	47
Phosphorus	ppm	ASTM D5185m		380	333	415
Zinc	ppm	ASTM D5185m		404	387	521
Sulfur	ppm	ASTM D5185m		3130	1263	3415
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	2	2
Sodium	ppm	ASTM D5185m		3	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	2	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	45466		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	A 391		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 23/20/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.7	0.36	0.96	0.47
			2			

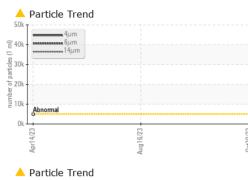


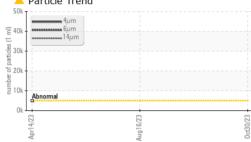
Acid Number

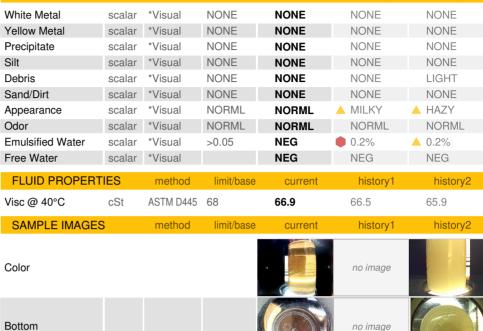
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OIL ANALYSIS REPORT

method







limit/base

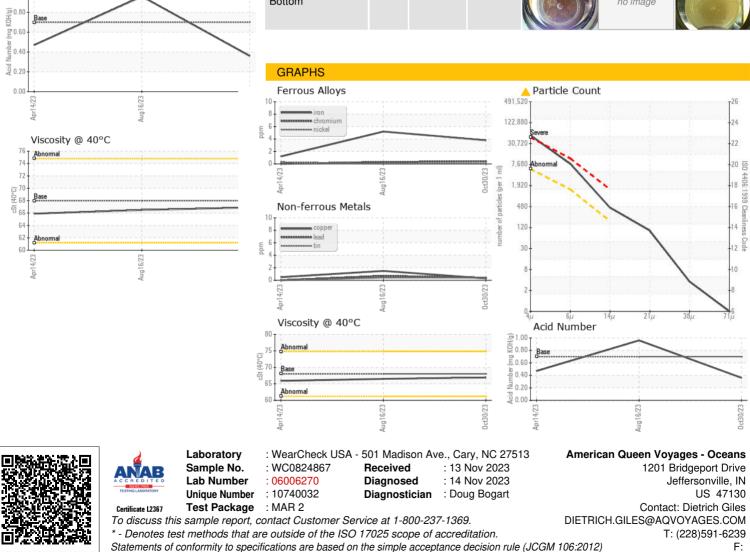
current

history1

history2

Bottom

VISUAL



Contact/Location: Dietrich Giles - VICNEWIN