

PROBLEM SUMMARY

Area NOT GIVEN Machine Id QUINCY UN060657 - BLUEWATER THERMAL

Compressor





DECO		
REGO	VIIVIEIND	ATION

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

PROBLEMATIC T	EST RE	SULTS			
Sample Status			ABNORMAL	NORMAL	
Free Water	scalar	*Visual	<u> </u>	NEG	

Customer Id: UCMICGRA Sample No.: UCH05840758 Lab Number: 05840758 Test Package: IND 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	TIONS			
Action	Status	Date	Done By	Description
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

NORMAL



02 Nov 2022 Diag: Don Baldridge

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Area NOT GIVEN Machine Id QUINCY UN060657 - BLUEWATER THERMAL

Compressor

DIAGNOSIS

A Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Excessive free water present. Moderate concentration of visible dirt/debris 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.



SAMELE INFORM	ATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		UCH05840758	UCH05686538	
Sample Date		Client Info		03 May 2023	02 Nov 2022	
Machine Age	hrs	Client Info		100320	100158	
Oil Age	hrs	Client Info		331	2937	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	NORMAL	
		mothod	limit/bass	ourropt	history 1	biotony 2
WEAR METALS		method	IIIIII/Dase	current	TIISTOLA I	Thistory 2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	<1	<1	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 0	history 1 0	history 2
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 0 0	history 1 0 0	history 2
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0	history 1 0 0 0	history 2
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0	history 1 0 0 0 0	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185m	limit/base	current 0 0 0 0 0 0	history 1 0 0 0 0 <1	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0	history 1 0 0 0 0 <1 0	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 0 0 0 639	history 1 0 0 0 0 <1 0 358	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 0 0 0 639 0	history 1 0 0 0 0 0 0 358 1	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185m	limit/base	Current 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	history 1 0 0 0 0 <1 0 358 1 7	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 0 639 0 766 current	history 1 0 0 0 0 0 358 1 7 history 1	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 0 0 639 0 766 current <1	history 1 0 0 0 0 <1	history 2 history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 639 0 766 current <1	history 1 0 0 0 0	history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 639 0 766 current <1	history 1 0 0 0 0 <1	history 2 history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 0 0 0 0 0 0 639 0 766 current <1	history 1 0 0 0 0 <1	history 2 history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 0 0 0 0 0 0 639 0 766 current <1	history 1 0 0 0 0 -1 0 358 1 7 history 1 <1	history 2 history 2 history 2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 639 0 766 current <1	history 1 0 0 0 0 <1	history 2 history 2 history 2 history 2 history 2 history 2



OIL ANALYSIS REPORT



Report Id: UCMICGRA [WUSCAR] 05840758 (Generated: 07/10/2023 09:59:10) Rev: 1

Contact/Location: KEVIN GEERTMAN - UCMICGRA

US 49548

Т:

history 2

history 2

history 2

no image