

PROBLEM SUMMARY

Sample Rating Trend





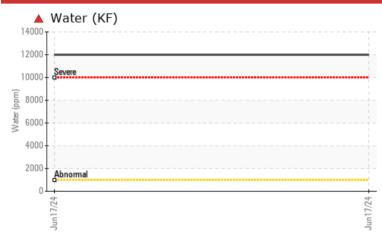
HYBON SYNTHETIC 150

QUINCY SUMMIT CARTER 7-50-11 - HYBON ENGINEERING

Compressor



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC	TEST RE	SULTS			
Sample Status				SEVERE	
Water	%	ASTM D6304	>0.1	1.20	
ppm Water	ppm	ASTM D6304	>1000	12000	
Emulsified Water	scalar	*Visual	>0.1	0.2%	

Customer Id: UCCIMEVA **Sample No.:** UCH06219874 Lab Number: 06219874 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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

RECOMMENDED	RECOMMENDED ACTIONS				
Action	Status	Date	Done By	Description	
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.	
Resample			?	We recommend an early resample to monitor this condition.	

HISTORICAL DIAGNOSIS

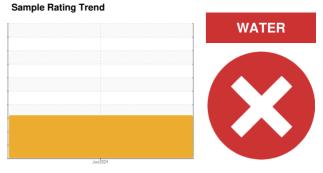


OIL ANALYSIS REPORT

HYBON SYNTHETIC 150

QUINCY SUMMIT CARTER 7-50-11 - HYBON ENGINEERING

Compressor



DIAGNOSIS

▲ Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil.

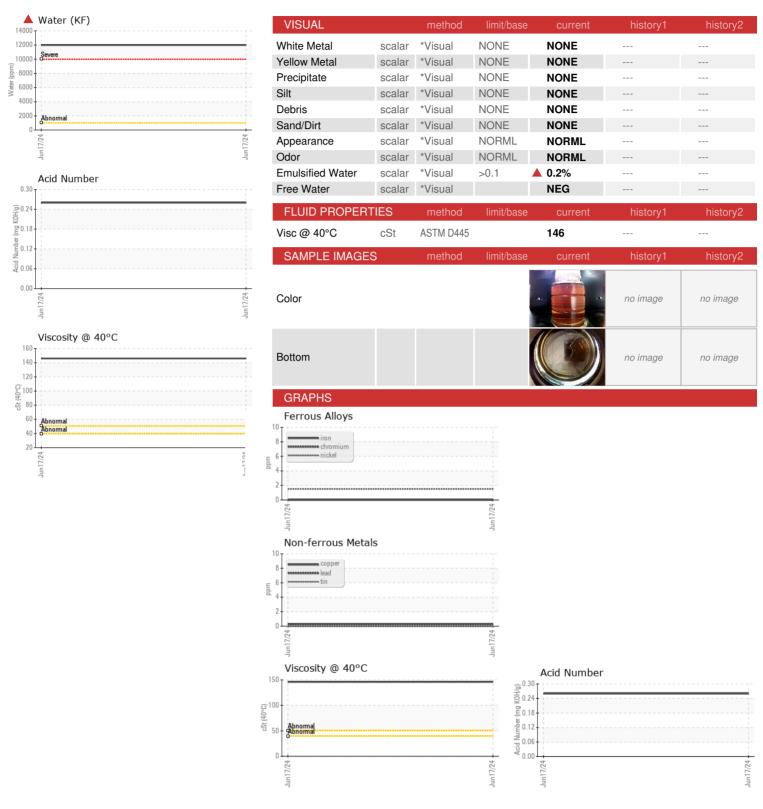
Fluid Condition

The AN level is acceptable for this fluid.

Sample Number Client Info UCH06219874							
Sample Date Client Info 17 Jun 2024 Machine Age hrs Client Info 737 Oil Age hrs Client Info 26 Oil Changed Client Info N/A Sample Status SEVERE WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Iron ppm ASTM D5185m >10 Iron ppm ASTM D5185m 2 Iron ppm ASTM D5185m 0 Iron ppm ASTM D5185m 0 Itanium ppm ASTM D5185m >25 0 Itanium ppm ASTM D5185m >50 <td>SAMPLE INFORM</td> <td>MATION</td> <td>method</td> <td>limit/base</td> <td>current</td> <td>history1</td> <td>history2</td>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 737	Sample Number		Client Info		UCH06219874		
Oil Age hrs Client Info 26 Oil Changed Client Info N/A Sample Status SEVERE WEAR METALS method limit/base current history1 history3 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >25 1 Aluminum ppm ASTM D5185m >50 <1	Sample Date		Client Info		17 Jun 2024		
WEAR METALS	Machine Age	hrs	Client Info		737		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Lead ppm ASTM D5185m >50 <1	Oil Age	hrs	Client Info		26		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m 2 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >25 1 Aluminum ppm ASTM D5185m >50 -1 Lead ppm ASTM D5185m >50 -1 Copper ppm ASTM D5185m >50 -1 Vanadium ppm ASTM D5185m >15 0 Cadmium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0	Oil Changed		Client Info		N/A		
Iron	Sample Status				SEVERE		
Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m 2 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >25 1 Aluminum ppm ASTM D5185m >25 0 Lead ppm ASTM D5185m >50 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	0		
Description	Chromium	ppm	ASTM D5185m	>10	0		
Silver	Nickel	ppm	ASTM D5185m		2		
Aluminum	Titanium	ppm	ASTM D5185m		0		
Lead ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >50 <1	Silver	ppm	ASTM D5185m		0		
Copper ppm ASTM D5185m >50 <1 Tin ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m <1	Aluminum	ppm	ASTM D5185m	>25	1		
Tin	Lead	ppm	ASTM D5185m	>25	0		
Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 3 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 632 Zinc ppm ASTM D5185m 7 Sulfur ppm ASTM D5185m 7 CONTAMINANTS method limit/base current history1 h	Copper	ppm	ASTM D5185m	>50	<1		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 3 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	Tin	ppm	ASTM D5185m	>15	0		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 3 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	Vanadium	ppm	ASTM D5185m		<1		
Boron ppm ASTM D5185m 3 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	Cadmium	ppm	ASTM D5185m		0		
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 632 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m >20 3 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 1.20 FLUID DEGRADATION method	Boron	ppm	ASTM D5185m		3		
Manganese ppm ASTM D5185m <1	Barium	nnm	ACTM DE195m		0		
Magnesium ppm ASTM D5185m <1		ppiii	AO IIVI DO IOOIII				
Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 632 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 ▲ 1.20 ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Molybdenum				-		
Phosphorus ppm ASTM D5185m 632 Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 1.20 ppm ASTM D6304 >1000 12000 FLUID DEGRADATION method limit/base current history1 history2	•	ppm	ASTM D5185m		0		
Zinc ppm ASTM D5185m 0 Sulfur ppm ASTM D5185m 7 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D6304 >0.1 1.20 Water % ASTM D6304 >0.1 1.20 ppm ASTM D6304 >1000 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese	ppm	ASTM D5185m ASTM D5185m		0 <1		
Sulfur ppm ASTM D5185m 7 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D6304 >0.1 ▲ 1.20 Water % ASTM D6304 >1.000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 ▲ 1.20 ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 0		
Silicon ppm ASTM D5185m >25 3 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 ▲ 1.20 ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 0 632		
Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 ▲ 1.20 ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 0 632		
Potassium ppm ASTM D5185m >20 3 Water % ASTM D6304 >0.1 ▲ 1.20 ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 <1 <1 0 632 0 7		
Water % ASTM D6304 >0.1 ▲ 1.20 ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 <1 <1 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0	 history1	 history2
ppm Water ppm ASTM D6304 >1000 ▲ 12000 FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m		0 <1 <1 <0 0 632 0 7 current	 history1	history2
FLUID DEGRADATION method limit/base current history1 history2	Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	>25	0 <1 <1 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0	 history1	history2
	Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	>25 >20	0 <1 <1 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0	 history1	history2
Acid Number (AN) mg KOH/g ASTM D8045 0.26	Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	>25 >20 >0.1	0 <1 <1 0 632 0 7 current 3 2 3 1.20	history1	history2
	Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm	ASTM D5185m ASTM D6304 ASTM D6304	>25 >20 >0.1 >1000	0 <1 <1 0 632 0 7 current 3 2 3 ▲ 1.20 ▲ 12000	 history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06219874

: UCH06219874 Unique Number : 11098071

Diagnosed

Received

Tested

: 25 Jun 2024

: 26 Jun 2024

: 27 Jun 2024 - Angela Borella

Test Package : IND 2 (Additional Tests: KF) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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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