

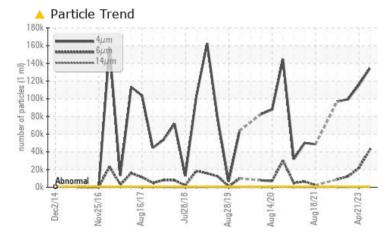
# **PROBLEM SUMMARY**

#### Hauser Machine Id HAU03-2 Generator Inboard Bearing Component

Case Drain Journal Bearing

CONOCO MULTIPURPOSE R&O OIL ISO 68 (10 GAL)

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status		ABNORM	AL ABNORMAL	ABNORMAL			
Particles >4µm	ASTM D7647 >	640 <b>A 134147</b>	A 115435	▲ 99388			
Particles >6µm	ASTM D7647 >	160 <b>A 42212</b>	<u> </u>	<u> </u>			
Particles >14µm	ASTM D7647 >	40 🔺 583	<u> </u>	<b>1</b> 91			
Particles >21µm	ASTM D7647 >	10 🔺 <b>53</b>	6	<b>A</b> 21			
Oil Cleanliness	ISO 4406 (c) >	16/14/12 🔺 24/23/16	<b>6</b> <u>A</u> 24/22/14	<b>4</b> /21/15			

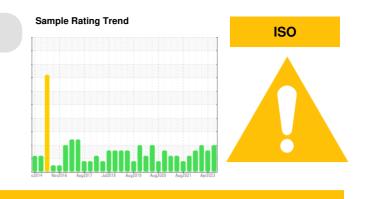
Customer Id: PPLBUT Sample No.: WC0757664 Lab Number: 05936083 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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



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

#### **HISTORICAL DIAGNOSIS**



21 Apr 2023 Diag: Don Baldridge

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

# view report

view report

#### 06 Nov 2022 Diag: Don Baldridge



We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

24 May 2022 Diag: Jonathan Hester

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.









DIAGNOSIS

## **OIL ANALYSIS REPORT**

### Area Hauser **HAU03-2** Generator Inboard Bearing Component

**Case Drain Journal Bearing** 

Fluid CONOCO MULTIPURPOSE R&O OIL ISO 68 (10 GAL)

# SAMPLE INFORMATION method history1 history2 limit/ha

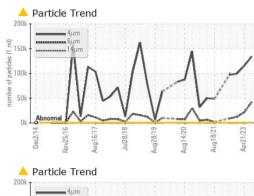
ISO

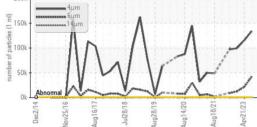
Sample Rating Trend

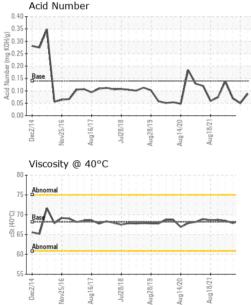
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0757664	WC0757732	WC0757747
Ve recommend you service the filters on this	Sample Date		Client Info		19 Aug 2023	21 Apr 2023	06 Nov 2022
omponent if applicable. Resample at the next	Machine Age	yrs	Client Info		0	0	0
ervice interval to monitor.	Oil Age	yrs	Client Info		0	0	0
ear	Oil Changed		Client Info		N/A	N/A	N/A
l component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination		_					
nere is a high amount of particulates present in	WEAR METALS		method	limit/base	current	history1	history2
e oil.	Iron	ppm	ASTM D5185m	>60	1	2	4
uid Condition	Chromium	ppm	ASTM D5185m	>20	0	0	0
e AN level is acceptable for this fluid. The	Nickel	ppm	ASTM D5185m	>20	<1	0	0
ndition of the oil is suitable for further service.	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>4	0	0	0
	Lead	ppm	ASTM D5185m		13	9	8
	Copper	ppm	ASTM D5185m		31	21	14
	Tin	ppm	ASTM D5185m		6	6	4
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
		ppin			-	-	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	0	0
	Barium	ppm	ASTM D5185m		1	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	0	0
	Magnesium	ppm	ASTM D5185m		0	<1	<1
	Calcium	ppm	ASTM D5185m		<1	0	<1
	Phosphorus	ppm	ASTM D5185m		11	12	13
	Zinc	ppm	ASTM D5185m		7	5	5
	Sulfur	ppm	ASTM D5185m		26	24	52
	CONTAMINANTS		method	limit/base	current	history1	history2
	Silicon		ASTM D5185m				
		ppm	ASTM D5185m	>00	2	2	3
	Sodium	ppm		. 00	0	0	0
	Potassium	ppm	ASTM D5185m		1		1
	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>640	<b>A</b> 134147	▲ 115435	▲ 99388
	Particles >6µm		ASTM D7647	>160	<u> </u>	🔺 21517	<u> </u>
	Particles >14µm		ASTM D7647	>40	<u> </u>	125	<b>1</b> 91
	Particles >21µm		ASTM D7647	>10	<u> </u>	6	<b>A</b> 21
	Particles >38µm		ASTM D7647	>3	0	0	0
	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness			>16/14/12		▲ 24/22/14	▲ 24/21/15
	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.088	0.05	0.07



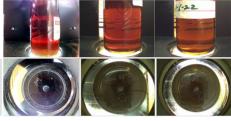
# **OIL ANALYSIS REPORT**



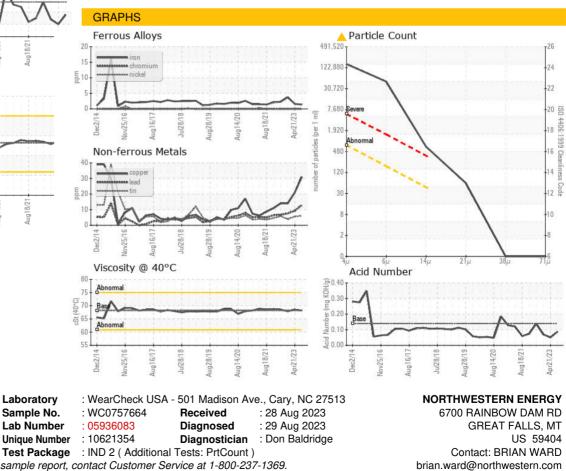




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.2	68.2	68.5	67.9
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						1/32



Bottom



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)

Certificate L2367

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T: