

PROBLEM SUMMARY

Sample Rating Trend

WEAR

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Morony Machine Id MRN01 Turbine Guide Bearing

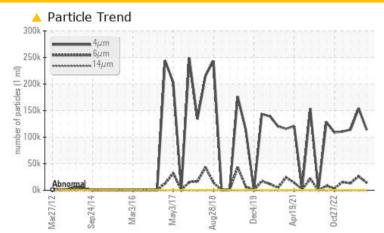
Component

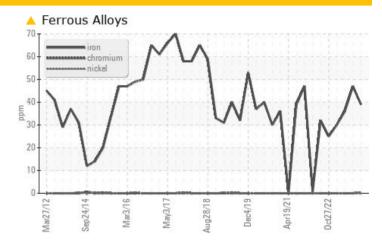
Case Drain Turbine Bearing

CONOCO TURBINE OIL 68 (30 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				ABNORMAL	ABNORMAL	ABNORMAL	
Iron	ppm	ASTM D5185m	>20	△ 39	4 7	▲ 36	
Particles >4µm		ASTM D7647	>640	113782	<u>▲</u> 154142	<u>▲</u> 114118	
Particles >6µm		ASTM D7647	>160	14190	<u>^</u> 26425	▲ 13392	
Particles >14µm		ASTM D7647	>40	46	<u>^</u> 70	48	
Oil Cleanliness		ISO 4406 (c)	>16/14/12	<u>4</u> 24/21/13	<u>4</u> 24/22/13	<u>4</u> 24/21/13	

Customer Id: PPLBUT Sample No.: WC0843439 Lab Number: 05994339 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 ACTIONS

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

HISTORICAL DIAGNOSIS

15 Jul 2023 Diag: Don Baldridge

WEAR



We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.



01 May 2023 Diag: Don Baldridge

WEAR



We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.



18 Jan 2023 Diag: Don Baldridge

WEAR



We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.





OIL ANALYSIS REPORT

SAMPLE INFORMATION

Sample Number

Sample Rating Trend

Client Info

WEAR

WC0757810

Morony **MRN01 Turbine Guide Bearing**

Case Drain Turbine Bearing

CONOCO TURBINE OIL 68 (30 GAL)

DIAGNOSIS

Recommendation

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

The iron level is abnormal. All other component wear rates are normal.

Contamination

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

Fluid Condition

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

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WC0843439

WC0715265

Sample Number		Ollerit IIIIO		WC0043433	VVO0713203	VVO0737010
Sample Date		Client Info		17 Oct 2023	15 Jul 2023	01 May 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	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	△ 39	4 7	▲ 36
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	2	3	3
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		19	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		44	11	9
Zinc	ppm	ASTM D5185m		21	1	0
Sulfur	ppm	ASTM D5185m		0	14	11
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8	8	8
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	<u> </u>	<u>▲</u> 154142	<u> </u>
Particles >6µm		ASTM D7647	>160	14190	<u>^</u> 26425	▲ 13392
Particles >14µm		ASTM D7647	>40	46	<u>^</u> 70	4 8
Particles >21µm		ASTM D7647	>10	7	<u>12</u>	8
Particles >38µm		ASTM D7647	>3	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/12	<u>4</u> 24/21/13	<u>4</u> 24/22/13	<u>4</u> 24/21/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.088	0.08	0.172



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: WC0843439 : 05994339

: 10722699

Diagnostician Test Package : IND 2 (Additional Tests: PrtCount)

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.

6700 RAINBOW DAM RD GREAT FALLS, MT

US 59404

Contact: STANLEY BOGNATZ srb@mbesi.com

T: (570)575-9252 F: (570)227-0014

Diagnosed

: 01 Nov 2023

: Angela Borella