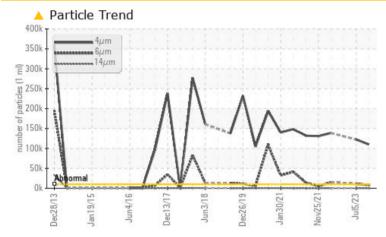


PROBLEM SUMMARY

Area 412 Machine Id 74 BANBURY MOTOR Component

Outboard Journal Bearing Fluid ESSO NUTO H ISO 68 (1 QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL				
Particles >4µm	ASTM D7647 >	>10000	110082	<u> </u>					
Particles >6µm	ASTM D7647 >	>2500	419	10868					
Oil Cleanliness	ISO 4406 (c)	>20/18/14	4/20/12	🔺 24/21/13					

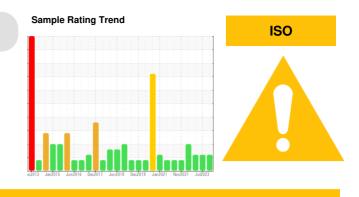
Customer Id: BRIDES Sample No.: WC0397547 Lab Number: 05923339 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

05 Jul 2023 Diag: Angela Borella



The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

09 Apr 2023 Diag: Don Baldridge

30 Dec 2022 Diag: Angela Borella



The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. 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.



view repor



The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor.A sharp increase in the tin level is noted. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

412 Machine Id 74 BANBURY MOTOR

Component Outboard Journal Bearing Fluid ESSO NUTO H ISO 68 (1 QTS)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

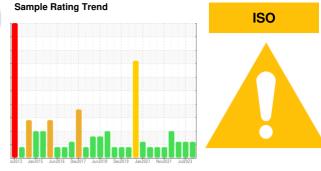
All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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



SAMPLE INFORM		method	limit/base	current	history1	history2
			minubase			
Sample Number		Client Info		WC0397547	WC0569521	WC0569583
Sample Date		Client Info		07 Aug 2023	05 Jul 2023	09 Apr 2023
Machine Age	mths	Client Info		1	6	0
Oil Age	mths	Client Info		0	0	4
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		6	17	13
Iron	ppm	ASTM D5185m	>60	<1	3	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	<1	<1	0
Lead	ppm	ASTM D5185m	>250	6	10	10
Copper	ppm	ASTM D5185m	>125	8	12	7
Tin	ppm	ASTM D5185m	>80	21	37	38
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	6	0	4
Calcium	ppm	ASTM D5185m	50	41	39	49
Phosphorus	ppm	ASTM D5185m	330	327	332	336
Zinc	ppm	ASTM D5185m	420	392	411	423
Sulfur	ppm	ASTM D5185m	3100	3014	3016	2734
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	3	2
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	<1	1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 110082	▲ 122381	
Particles >6µm		ASTM D7647	>2500	<u> </u>	10868	
Particles >14µm		ASTM D7647	>160	38	41	
Particles >21µm		ASTM D7647	>40	8	7	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/14	4/20/12	4 /21/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.40	0.42	0.41	0.44



400 3501

300

\$ 250

100

50

0

250

200

150

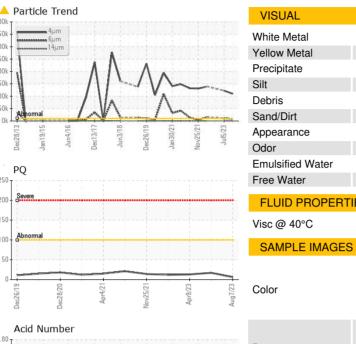
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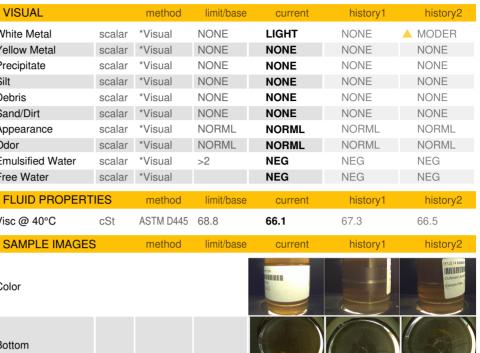
0.80

0.70 (B/H0.60

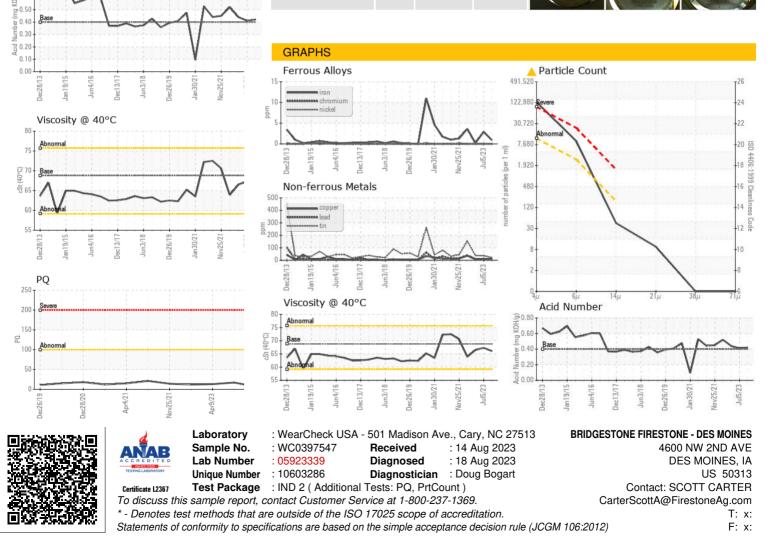
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OIL ANALYSIS REPORT





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Contact/Location: SCOTT CARTER - BRIDES