

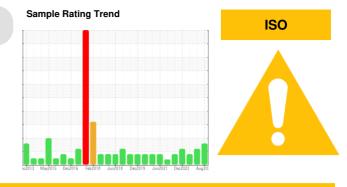
PROBLEM SUMMARY

^{Area} **412**

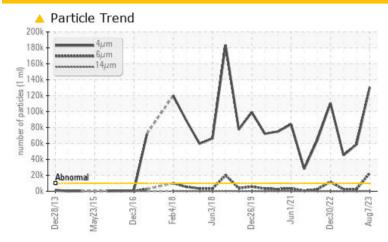
72 BANBURY MOTOR

Outboard Journal Bearing

ESSO NUTO H ISO 68 (1 QTS)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL			
Particles >4µm	ASTM D7647	>10000	130443	▲ 58873	△ 45165			
Particles >6µm	ASTM D7647	>2500	22699	<u>▲</u> 2742	2460			
Particles >14μm	ASTM D7647	>160	^ 263	26	26			
Oil Cleanliness	ISO 4406 (c)	>20/18/14	24/22/15	23/19/12	23/18/12			

Customer Id: BRIDES Sample No.: WC0640569 Lab Number: 05923337 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 dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

05 Jul 2023 Diag: Angela Borella

ISO



No corrective action is recommended at this time. The oil change at the time of sampling has been noted. 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

ISO



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.



30 Dec 2022 Diag: Angela Borella

ISO



No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 6 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.





OIL ANALYSIS REPORT

72 BANBURY MOTOR

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

DIAGNOSIS

Recommendation

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

Wear

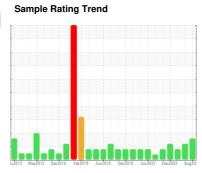
All component wear rates are normal.

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.

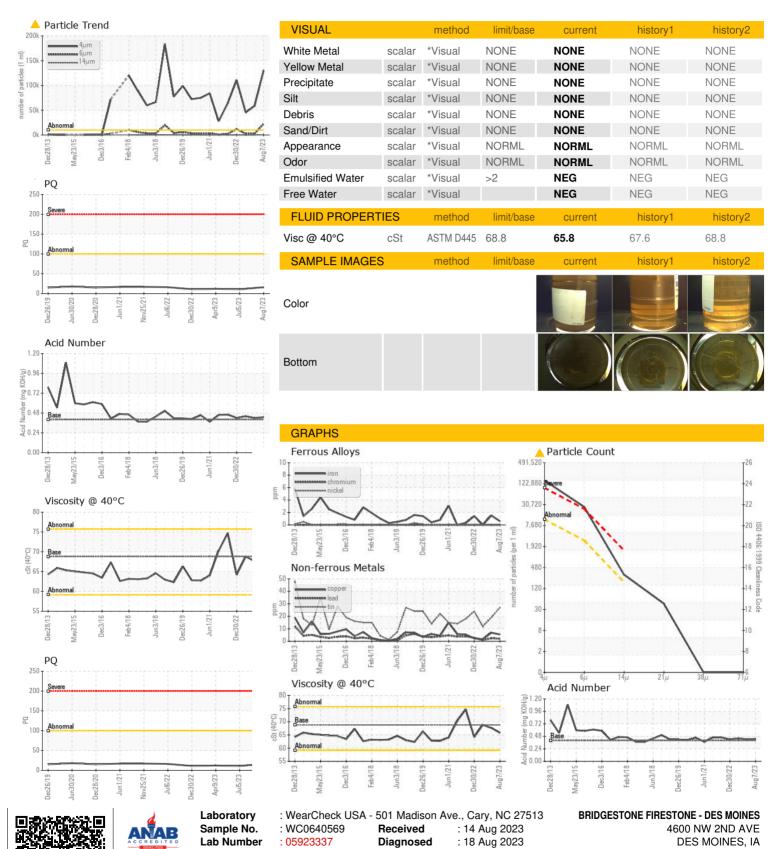




SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0640569	WC0569516	WC0569578
Sample Date		Client Info		07 Aug 2023	05 Jul 2023	09 Apr 2023
Machine Age	mths	Client Info		1	6	0
Oil Age	mths	Client Info		0	0	4
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	11	12
Iron	ppm	ASTM D5185m	>60	<1	2	0
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		>250	2	2	<1
Copper	ppm	ASTM D5185m	>125	6	7	2
Tin	ppm	ASTM D5185m	>80	27	19	12
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	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	0	<1
Magnesium	ppm	ASTM D5185m	5	7	0	4
Calcium	ppm	ASTM D5185m	50	40	39	48
Phosphorus	ppm	ASTM D5185m	330	317	333	336
Zinc	ppm	ASTM D5185m	420	386	420	429
Sulfur	ppm	ASTM D5185m	3100	2913	3191	2664
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	5	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	<u> </u>	▲ 58873	▲ 45165
Particles >6µm		ASTM D7647	>2500	<u>22699</u>	<u>▲</u> 2742	2460
Particles >14μm		ASTM D7647	>160	<u>^</u> 263	26	26
Particles >21µm		ASTM D7647	>40	39	3	6
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<u>4</u> 24/22/15	<u>△</u> 23/19/12	▲ 23/18/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.40	0.43	0.42	0.44



OIL ANALYSIS REPORT



Certificate L2367

Unique Number

: 10603284

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.

Test Package : IND 2 (Additional Tests: PQ, PrtCount)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Diagnostician : Doug Bogart

US 50313

T: x:

F: x:

Contact: SCOTT CARTER

CarterScottA@FirestoneAg.com