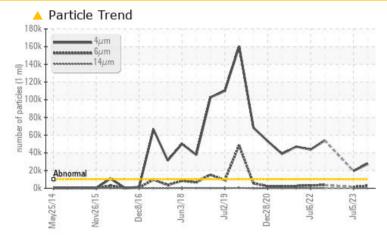


PROBLEM SUMMARY

Area 412 Machine Id 273 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	ATTENTION	ABNORMAL			
Particles >4µm	ASTM D7647 >1	0000 🔺 27554	1 9513				
Particles >6µm	ASTM D7647 >2	500 🔺 2781	1530				
Oil Cleanliness	ISO 4406 (c) >2	0/18/14 🔺 22/19/14	A 21/18/12				

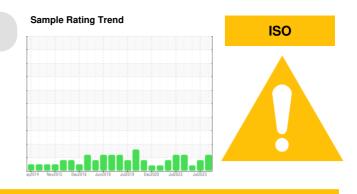
Customer Id: BRIDES Sample No.: WC0838936 Lab Number: 06009505 Test Package: IND 2



To manage this report scan the QR code

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

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



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 moderate 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.





12 Apr 2023 Diag: Don Baldridge

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. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



25 Nov 2022 Diag: Don Baldridge

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.





Report Id: BRIDES [WUSCAR] 06009505 (Generated: 11/19/2023 12:52:11) Rev: 1



OIL ANALYSIS REPORT

Sample Rating Trend

Area 412 Machine Id 273 BANBURY MOTOR

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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0838936	WC0640599	WC0569573
Sample Date		Client Info		10 Nov 2023	05 Jul 2023	12 Apr 2023
Machine Age	mths	Client Info		6	6	0
Oil Age	mths	Client Info		0	0	4
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		6	12	12
Iron	ppm	ASTM D5185m	>60	0	<1	0
Chromium	ppm	ASTM D5185m	>20	0	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	>4	<1	<1	0
Lead	ppm	ASTM D5185m	>250	<1	<1	0
Copper	ppm	ASTM D5185m	>125	<1	4	<1
Tin	ppm	ASTM D5185m	>80	4	5	4
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	0
Barium	ppm	ASTM D5185m	0	6	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	5	1	0	4
Calcium	ppm	ASTM D5185m	50	51	60	49
Phosphorus	ppm	ASTM D5185m	330	338	434	335
Zinc	ppm	ASTM D5185m	420	418	561	431
Sulfur	ppm	ASTM D5185m	3100	3217	3957	2651
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	11	5
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 27554	A 19513	
Particles >6µm		ASTM D7647	>2500	<u> </u>	1530	
Particles >14µm		ASTM D7647	>160	102	33	
Particles >21µm		ASTM D7647	>40	34	9	
Particles >38µm		ASTM D7647	>10	3	1	
Particles >71µm		ASTM D7647	>3	1	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/14	22/19/14	▲ 21/18/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.40	0.38	0.39	0.40

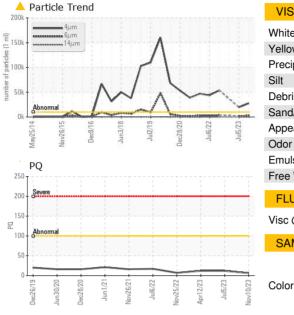


Acid Number

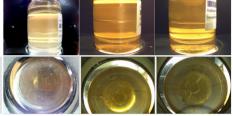
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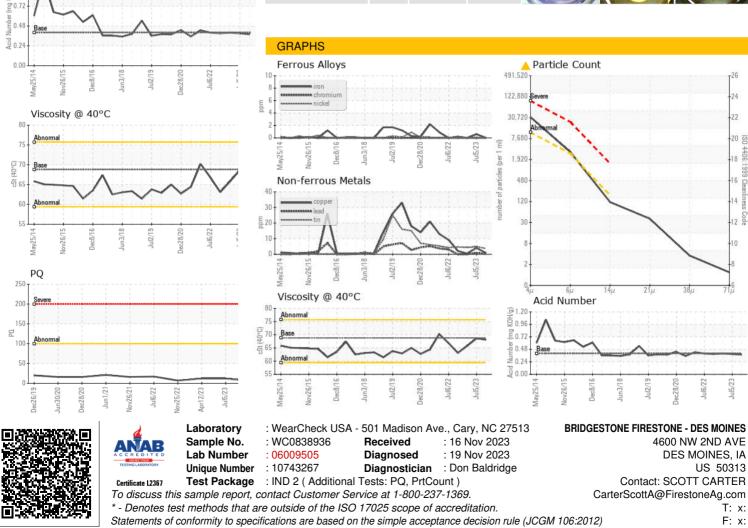
OIL ANALYSIS REPORT



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	🔺 MODER
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	68.8	68.1	68.6	65.8
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
						Outree Sarga di



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Contact/Location: SCOTT CARTER - BRIDES