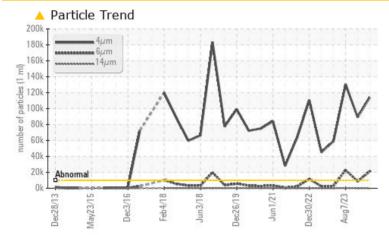


PROBLEM SUMMARY

Area 412 Machine Id 72 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	🔺 114104	A 89116	130443				
Particles >6µm	ASTM D7647	>2500	<u> </u>	▲ 8682	🔺 22699				
Oil Cleanliness	ISO 4406 (c)	>20/18/14	<u> </u>	<u> </u>	<u> </u>				

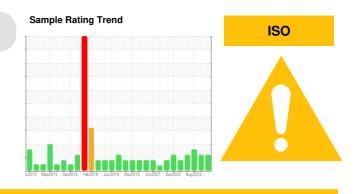
Customer Id: BRIDES Sample No.: WC0838864 Lab Number: 06009516 Test Package: IND 2



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



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

04 Sep 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.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.





view report

view repor

07 Aug 2023 Diag: Doug Bogart

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

ISO

05 Jul 2023 Diag: Angela Borella

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.





Report Id: BRIDES [WUSCAR] 06009516 (Generated: 11/19/2023 12:47:25) Rev: 1



OIL ANALYSIS REPORT

412 Machine Id 72 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.

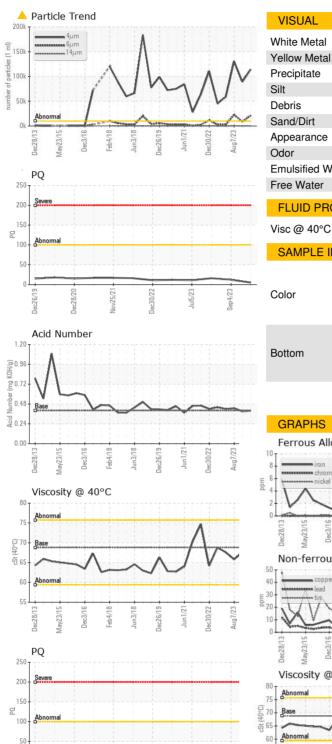
ISO

Sample Rating Trend

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0838864	WC0838901	WC0640569
Sample Date		Client Info		10 Nov 2023	04 Sep 2023	07 Aug 2023
Machine Age	mths	Client Info		6	1	1
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		5	12	16
Iron	ppm	ASTM D5185m	>60	2	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	<1	0	<1
Lead	ppm	ASTM D5185m	>250	2	<1	2
Copper	ppm	ASTM D5185m	>125	4	1	6
Tin	ppm	ASTM D5185m	>80	18	15	27
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	7	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	5	<1	0	7
Calcium	ppm	ASTM D5185m	50	41	54	40
Phosphorus	ppm	ASTM D5185m	330	320	358	317
Zinc	ppm	ASTM D5185m	420	390	441	386
Sulfur	ppm	ASTM D5185m	3100	3209	3871	2913
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	5	6
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	▲ 89116	🔺 130443
Particles >6µm		ASTM D7647	>2500	<u> </u>	▲ 8682	<u> </u>
Particles >14µm		ASTM D7647	>160	61	33	2 63
Particles >21µm		ASTM D7647		9	4	39
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> </u>	4/20/12	▲ 24/22/15
	TION					
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT





Ferrous Alloys Particle Count 491 52 122,88 30,72 20 8 1400 Der 1,920 6661 Non-ferrous Metals 480 120 Ja7/23 eb4/ Viscosity @ 40°C Acid Number (B/H0X) 0.96 E 0.72 · 문 0.48 Ba LIN 0.24 Abnorma 00.0 Pcid 55 Dec30/22 Aug7/23 Dec26/19 un1/21 ug7/23 Mav23/15 Dec26/19 Pc30/77 Vlav23/15 Dec3/16 m 3/18 Jec3/16 eb4/18 0/1 un Dec28/ Dec28/ **BRIDGESTONE FIRESTONE - DES MOINES** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Nov 2023 4600 NW 2ND AVE Sample No. : WC0838864 DES MOINES, IA Lab Number :06009516 Diagnosed : 19 Nov 2023 US 50313 Unique Number : 10743278 Diagnostician : Don Baldridge Test Package : IND 2 (Additional Tests: PQ, PrtCount) Contact: SCOTT CARTER

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)

Sep4/23

ul5/23

CarterScottA@FirestoneAg.com

T: x:

F: x:

Certificate L2367