

OIL ANALYSIS REPORT

Area 412 Machine Id 71 BANBURY MOTOR Component Inboard Journal Bearing

Fluid ESSO NUTO H ISO 68 (1 QTS)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

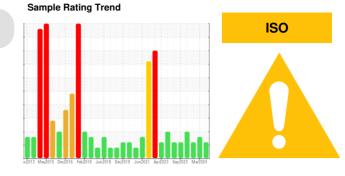
All component wear rates are normal.

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	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0912098	WC0479426	WC0838870
Sample Date		Client Info		09 Apr 2024	05 Mar 2024	15 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		624	400	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	15	14
Iron	ppm	ASTM D5185m	>60	0	<1	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>4	0	1	<1
Lead	ppm	ASTM D5185m	>250	<1	2	3
Copper	ppm	ASTM D5185m	>125	0	3	3
Tin	ppm	ASTM D5185m	>80	16	23	25
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	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	1	2	5
Calcium	ppm	ASTM D5185m	50	51	43	56
Phosphorus	ppm	ASTM D5185m	330	342	276	346
Zinc	ppm	ASTM D5185m	420	412	349	449
Sulfur	ppm	ASTM D5185m	3100	3510	2579	4830
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	2	1
Sodium	ppm	ASTM D5185m		0	1	1
Potassium	ppm	ASTM D5185m	>20	0	<1	2
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 105210	▲ 99601	▲ 103339
Particles >6µm		ASTM D7647	>2500	<u> </u>	1 5979	A 7353
Particles >14µm		ASTM D7647	>160	81	4 249	136
Particles >21µm		ASTM D7647	>40	12	40	21
D			10		-1	

ASTM D7647 >10

ASTM D7647 >3

1

0

ISO 4406 (c) >20/18/14 **4 24/20/14**

Particles >38µm

Particles >71µm

Oil Cleanliness

1

0

▲ 24/21/15

1

0

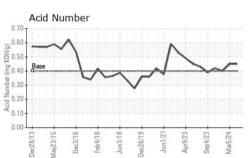
▲ 24/20/14

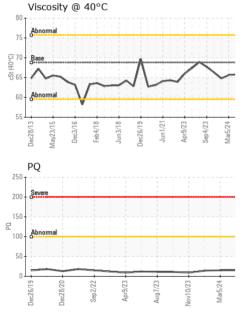


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OIL ANALYSIS REPORT

250k	Par	ticle	Irer	ld							
		4	µm µm								
E 200k			4μm		A		1	14			
광 150k			1		\bigvee	11	1		1		
100k			1		4	11		P.		-	
(m l) sapited jo radmun 50k		1 det				V					
	Abn	ormal	a man		N	1h	M		100	-	
0k			8/16	Feb4/18	Jun3/18	61/9	Jun1/21	Apr9/23	Sep4/23	6/24	-
	Dec28/13	May23/15	Dec3/16	Feb4	Jung	Dec26/19	Jun	Apr§	Sep4	Mar5/24	
250	PQ										
200	Seve	ere									
	Ī			-						1	
150 립											
100	Abn	ormal					-			-	
50											
0	_		-	-				_		_	
U	61/9	3/20		Sep2/22	Apr9/23		Aug7/23	0/23 -		Mar5/24 -	
	Dec26/19	Dec28/20		Sepi	Apr§		Aug	Nov10/23		Mar	



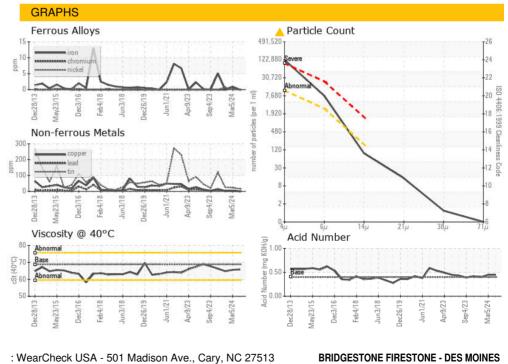


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.40	0.45	0.45	0.40
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
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	65.8	65.6	64.8
SAMPLE IMAGES		method	limit/base	current	history1	history2

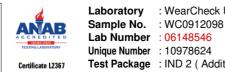
Color



Bottom







Received : 15 Apr 2024 Tested : 16 Apr 2024 Diagnosed : 17 Apr 2024 - Don Baldridge

Test Package : IND 2 (Additional Tests: PQ, 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.

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

Report Id: BRIDES [WUSCAR] 06148546 (Generated: 04/17/2024 13:32:21) Rev: 1

Contact/Location: SCOTT CARTER - BRIDES

4600 NW 2ND AVE

Contact: SCOTT CARTER

CarterScottA@FirestoneAg.com

DES MOINES, IA

US 50313

T: x:

F: x: