

PROBLEM SUMMARY

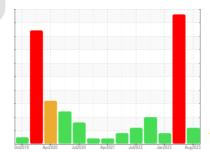
Sample Rating Trend

ISO

BT-F01-B1 (S/N B1 RECYCLE BLOWER)

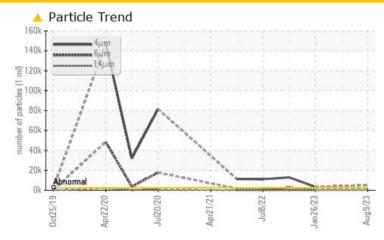
Outboard Blower

SHELL TELLUS S2 MX 100 (--- GAL)





COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil contamination is improved but can still benefit from more filtration. Current oil contamination levels are on par with new unfiltered oil. Filter oil if possible using B6=75 filter media or better. No other action recommended at this time. Resample at next normal interval.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	SEVERE	ABNORMAL				
Particles >4µm	ASTM D7647	>2500	<u> </u>		△ 3214				
Particles >6µm	ASTM D7647	>640	1017		556				
Oil Cleanliness	ISO 4406 (c)	>18/16/13	20/17/13		A 19/16/11				

Customer Id: MOMBAY Sample No.: PLS0000480 Lab Number: 05926003 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Mike Johnson +1 (615)771-6030 mike.johnson@amrri.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

01 May 2023 Diag: Mike Johnson

VISUAL METAL



Schedule an oil change immediately if possible. Viscosity is substantially out of range, and low enough to be harmful to the machine. IF an oil change cannot be done promptly then drain small amounts and top up the unit mmultiple times with the proper fluid until half the oil sump capacity has been enhanced with new MX 100. Resample following this activity. The wear rate is still low and steady. Particle count could not be provided due to the debris in the oil. Filtration is strongly recommended. The viscosity is substantially diminshed. Additives are substantially diminished. The unit has likely been toped up with an incorrect selection. Replace as soon as possible.



26 Jan 2023 Diag: Mike Johnson

ISO



Oil contamination is improved but can still benefit from more filtration. Current oil contamination levels are on par with new unfiltered oil. Filter oil if possible using B6=75 filter media or better. No other action recommended at this time. Resample at next normal interval. Wear particles are low and acceptable. Particle contamination is elevated. Filtration can help extend machine life. Fluid health is acceptable for continued use.



17 Oct 2022 Diag: Mike Johnson

150



Particle counts are elevated. Filter oil if possible with B6=75 filter media or better. No other action recommended at this time. Resample at next normal interval. Wear particles are low and acceptable. Particle contamination is slightly elevated. Filter oil if possible. Fluid health is acceptable for continued use.





OIL ANALYSIS REPORT

Sample Rating Trend

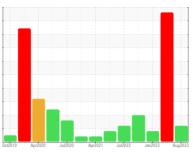


ISO

BT-F01-B1 (S/N B1 RECYCLE BLOWER)

Outboard Blower

SHELL TELLUS S2 MX 100 (--- GAL)





DIAGNOSIS

Recommendation

Oil contamination is improved but can still benefit from more filtration. Current oil contamination levels are on par with new unfiltered oil. Filter oil if possible using B6=75 filter media or better. No other action recommended at this time. Resample at next normal interval.

Wear

Wear particles are low and acceptable.

Contamination

Particle contamination is elevated. Filtration can help extend machine life.

Fluid Condition

Fluid health is acceptable for continued use.

CANADI E INICODA	AATIONI		11 11 11			
SAMPLE INFORM	TATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PLS0000480	PLS0000710	PLS0000639
Sample Date		Client Info		09 Aug 2023	01 May 2023	26 Jan 2023
Machine Age	mths	Client Info		0	0	3
Oil Age	mths	Client Info		0	6	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		12	12	13
Iron	ppm	ASTM D5185m	>20	. <u>-</u> <1	3	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m	720	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	2	0
Copper	ppm	ASTM D5185m	>20	<1	2	6
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m	120	0	0	0
Cadmium		ASTM D5185m		<1	0	0
	ppm	ASTIVI DOTOSITI		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		62	2	57
Calcium	ppm	ASTM D5185m		1	4	9
Phosphorus	ppm	ASTM D5185m		287	^ 69	282
Zinc	ppm	ASTM D5185m		355	<u>^</u> 7	348
Sulfur	ppm	ASTM D5185m		808	3013	723
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	<1
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624		1.8	2.4	2.0
Sulfation	Abs/.1mm	*ASTM D7415		10.3	11.2	10.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u></u> 5121		▲ 3214
Particles >6µm		ASTM D7647	>640	<u> 1017</u>		556
Particles >14µm		ASTM D7647	>80	64		17
Particles >21µm		ASTM D7647		16		2
Particles >38µm		ASTM D7647	>4	2		0
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>△</u> 20/17/13		▲ 19/16/11
J.Janini 1000		.00 (0)				



OIL ANALYSIS REPORT





Lab Number **Unique Number**

: 05926003

: 10605950

Diagnosed Diagnostician

: Mike Johnson

Test Package : PLANT (Additional Tests: FT-IR) Certificate L2367 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)

BAYTOWN, TX US 77520

Contact: PAT BELL

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T: F:

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