

PROBLEM SUMMARY

Sample Rating Trend

ISO

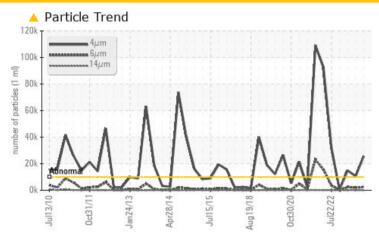


SAB1 Machine Id SAB1 G10

Turbine Bearing

ESSO TERESSO ISO 46 (150 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIC T	EST RESULTS				
Sample Status			ABNORMAL	ATTENTION	ATTENTION
Particles >4µm	ASTM D7647	>10000	25656	<u>▲</u> 10626	<u>▲</u> 14876
Particles >6µm	ASTM D7647	>1300	2408	<u>▲</u> 1877	<u> </u>
Oil Cleanliness	ISO 4406 (c)	>20/17/14	<u>^</u> 22/18/11	<u>^</u> 21/18/12	<u>^</u> 21/18/13

Customer Id: ONTQUE Sample No.: WC0828607 Lab Number: 02578786 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

27 Mar 2023 Diag: Kevin Marson





We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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.



11 Nov 2022 Diag: Kevin Marson

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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

27 Sep 2022 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

SAB1 **SAB1 G10**

Turbine Bearing

ESSO TERESSO ISO 46 (150 LTR)

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0828607	WC0642831	WC0587286
Sample Date		Client Info		27 Aug 2023	27 Mar 2023	11 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>7	2	2	1
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>2	<1	0	0
Lead	ppm	ASTM D5185(m)	>33	1	<1	<1
Copper	ppm	ASTM D5185(m)	>3	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>6	<1	0	0
Antimony	ppm	ASTM D5185(m)		0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
A D D ITIVE C		and the section	limit/base		hiotorya	history2
ADDITIVES		method	iiiiii/base	current	history1	HISTOLYZ
Boron	ppm	ASTM D5185(m)	0	o current	<1	<1
	ppm ppm					
Boron Barium	ppm	ASTM D5185(m)		0	<1	<1
Boron	ppm ppm	ASTM D5185(m) ASTM D5185(m)	0	0 0	<1 0	<1
Boron Barium Molybdenum Manganese	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	0 0 0	<1 0 0	<1 0 0
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	0 0 0	<1 0 0 0	<1 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	0 0 0 0 <1	<1 0 0 0 0 <1	<1 0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 0 2.4	0 0 0 0 <1 2	<1 0 0 0 0 <1 0	<1 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 0 2.4	0 0 0 0 <1 2 11	<1 0 0 0 0 <1 0 11	<1 0 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 0 2.4	0 0 0 0 <1 2 11	<1 0 0 0 0 <1 0 11	<1 0 0 0 0 0 0 11
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 0 2.4	0 0 0 0 <1 2 11 2 761	<1 0 0 0 0 <1 0 11 1 788	<1 0 0 0 0 0 0 11 1 776
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 2.4 0	0 0 0 0 <1 2 11 2 761 <1	<1 0 0 0 <1 0 11 1 788 <1	<1 0 0 0 0 0 0 11 1 776 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 2.4	0 0 0 0 <1 2 11 2 761 <1 current	<1 0 0 0 0 <1 0 11 1 788	<1 0 0 0 0 0 0 11 1 776
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m)	0 0 0 0 2.4 0	0 0 0 0 <1 2 11 2 761 <1	<1 0 0 0 <1 0 11 1 788 <1 history1	<1 0 0 0 0 0 0 11 1 776 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	0 0 0 0 2.4 0	0 0 0 0 <1 2 11 2 761 <1 current 3	<1 0 0 0 <1 0 11 1 788 <1 history1 2	<1 0 0 0 0 0 0 11 1 776 <1 history2 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD ASTM D5185(m)	0 0 0 0 2.4 0 limit/base >20 	0 0 0 0 <1 2 11 2 761 <1 current 3 <1 <1	<1 0 0 0 <1 0 11 1 788 <1 history1 2 0 0	<1 0 0 0 0 0 0 11 1 776 <1 history2 2 0 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD ASTM D5185(m)	0 0 0 0 2.4 0 limit/base >20 limit/base >10000	0 0 0 0 <1 2 11 2 761 <1 current 3 <1 <1 current	<1 0 0 0 0 <1 0 11 1 788 <1 history1 2 0 0 history1 ▲ 10626	<1 0 0 0 0 0 11 1 776 <1 history2 2 0 <1 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m)	0 0 0 0 2.4 0 limit/base >20 limit/base >10000 >1300	0 0 0 0 1 2 11 2 761 <1 current 3 <1 <1 current 4 25656 4 2408	<1 0 0 0 0 <1 0 11 1 788 <1 history1 2 0 0 history1 ▲ 10626 ▲ 1877	<1 0 0 0 0 0 11 1 776 <1 history2 2 0 <1 history2 △ 14876 △ 2422
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD ASTM D5185(m) ASTM D7647 ASTM D7647	0 0 0 0 2.4 0 limit/base >20 limit/base >10000 >1300 >160	0 0 0 0 <1 2 11 2 761 <1 current 3 <1 <1 current △ 25656 △ 2408 13	<1 0 0 0 0 <1 0 11 1 788 <1 history1 2 0 0 history1 ▲ 10626 ▲ 1877 37	<1 0 0 0 0 0 11 1 776 <1 history2 2 0 <1 history2 △ 14876 △ 2422 59
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) MASTM D5185(m) MASTM D5185(m) MASTM D5185(m) MASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	0 0 0 0 2.4 0 limit/base >20 limit/base >10000 >1300 >160 >40	0 0 0 0 <1 2 11 2 11 2 761 <1 current 3 <1 <1 current ^ 25656 ^ 2408 13 3	<1 0 0 0 0 <1 0 11 1 788 <1 history1 2 0 0 history1 ▲ 10626 ▲ 1877 37 4	<1 0 0 0 0 0 0 11 1 776 <1 history2 2 0 <1 history2 14876 2422 59 11
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD ASTM D5185(m) ASTM D7647 ASTM D7647	0 0 0 0 2.4 0 limit/base >20 limit/base >10000 >1300 >160	0 0 0 0 <1 2 11 2 761 <1 current 3 <1 <1 current △ 25656 △ 2408 13	<1 0 0 0 0 <1 0 11 1 788 <1 history1 2 0 0 history1 ▲ 10626 ▲ 1877 37	<1 0 0 0 0 0 11 1 776 <1 history2 2 0 <1 history2 4 14876 4 2422 59

ISO 4406 (c) >20/17/14 **22/18/11**

Oil Cleanliness

21/18/13

1 21/18/12



OIL ANALYSIS REPORT

