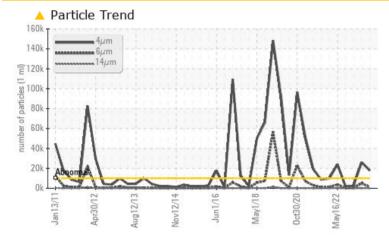
# **PROBLEM SUMMARY**

Area SAB1 SAB1 G6 Component Turbine Bearing Fluid ESSO TERESSO ISO 46 (150 LTR)

**IEAD** 

# COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	ABNORMAL	NORMAL		
Particles >4µm	ASTM D7647	>10000	<u> </u>	<u> </u>	2430		
Oil Cleanliness	ISO 4406 (c)	>20/17/14	<b>A</b> 21/17/10	🔺 22/19/14	18/16/11		

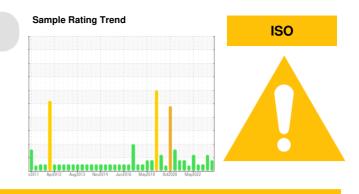
Customer Id: ONTQUE Sample No.: WC0828622 Lab Number: 02578757 Test Package: IND 2



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 <u>gloria.gonzalez@wearcheck.com</u>



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		

## **HISTORICAL DIAGNOSIS**



### 27 Mar 2023 Diag: Kevin Marson

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm and oil cleanliness are abnormally high. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

#### 21 Nov 2022 Diag: Kevin Marson



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.

27 Sep 2022 Diag: Kevin Marson

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.



view report

view report









# **OIL ANALYSIS REPORT**



Area SAB1 **SAB1 G6** Component **Turbine Bearing** Fluid ESSO TERESSO ISO 46 (150 LTR)

#### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

#### Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

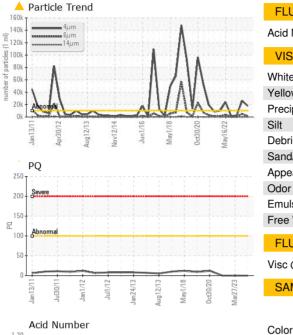
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

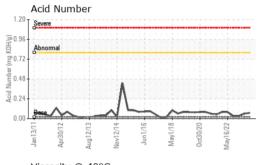


SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0828622	WC0642874	WC0587301
Sample Date		Client Info		27 Aug 2023	27 Mar 2023	21 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS	_	method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>7	1	2	1
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)		<1	<1	0
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	17		1	1	<1
Copper	ppm	ASTM D5185(m)	>3	<1	<1	<1
Tin	ppm	ASTM D5185(m)		0	0	0
Antimony	ppm	ASTM D5185(m)	, ,	0	0	<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
ADDITIVES	ppm	method	limit/base	current	history1	history2
Boron	nom	ASTM D5185(m)		0	<1	<1
Barium	ppm ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium		ASTM D5185(m)	0	0	0	0
Calcium	ppm ppm	ASTM D5185(m)		۰ <1	0	0
Phosphorus		ASTM D5185(m)	2.4	4	2	3
Zinc	ppm	ASTM D5185(m)		2	<1	1
Sulfur	ppm	ASTM D5185(m)	0	2 678	662	652
Lithium	ppm ppm	ASTM D5185(m)		<1	<1	<1
	ppm	method	limit/base			
				current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	5	5
Sodium	ppm	ASTM D5185(m)	00	0	0	0
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>17888</b>	<b>2</b> 6121	2430
Particles >6µm		ASTM D7647		1172	<b>4</b> 935	459
Particles >14µm		ASTM D7647	>160	8	93	13
Particles >21µm		ASTM D7647	>40	1	12	2
Particles >38µm		ASTM D7647	>10	0	1	1
			>10 >3 >20/17/14	0 0 ▲ 21/17/10	1 0 ▲ 22/19/14	1 1 18/16/11

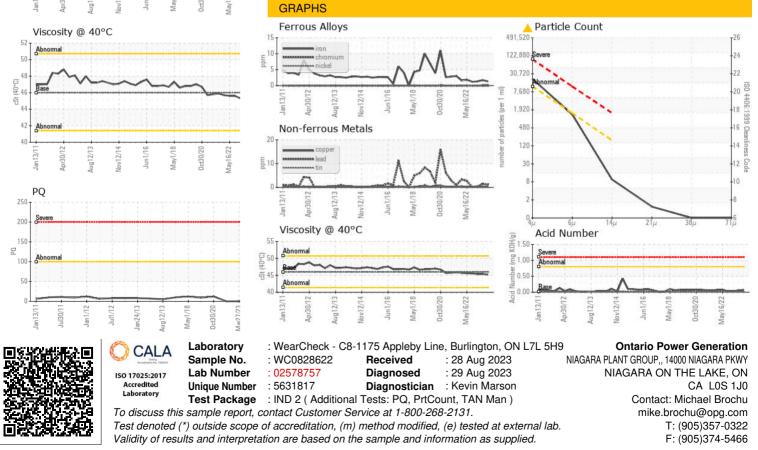


# **OIL ANALYSIS REPORT**





FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.07	0.06	0.03
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	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	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 D7279(m)	46	45.2	45.4	45.3
SAMPLE IMAGES	6	method	limit/base	current	history1	history2



Bottom