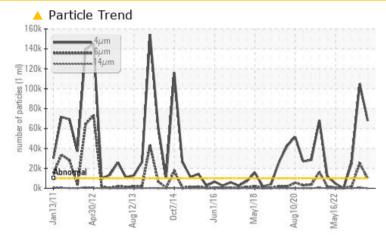
# **PROBLEM SUMMARY**

Area SAB1 SAB1 G8 Component Turbine Bearing Fluid ESSO TERESSO ISO 46 (150 LTR)

**IEAD** 

## COMPONENT CONDITION SUMMARY



### RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	SEVERE	ABNORMAL		
Particles >4µm	ASTM D7647	>10000	<u> </u>	105004	<b>A</b> 24923		
Particles >6µm	ASTM D7647	>1300	<b>6</b> 9744	<b>e</b> 25128	<b>1</b> 430		
Oil Cleanliness	ISO 4406 (c)	>20/17/14	<u> </u>	• 24/22/16	<b>2</b> 2/18/11		

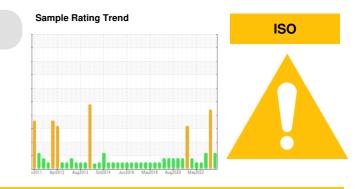
Customer Id: ONTQUE Sample No.: WC0828628 Lab Number: 02578759 Test Package: IND 2



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.			
Resample			?	We recommend an early resample to monitor this condition.			

### HISTORICAL DIAGNOSIS



## 27 Mar 2023 Diag: Kevin Marson

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.All component wear rates are normal. Particles >6 $\mu$ m are severely high. Particles >4 $\mu$ m are severely high. Oil Cleanliness are severely high. Particles >14 $\mu$ m are abnormally high. Particles >21 $\mu$ m are notably high. The system cleanliness code is much higher than 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.



view report

### 14 Nov 2022 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 >4 $\mu$ m and oil cleanliness are abnormally high. Particles >6 $\mu$ m are notably 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.

#### 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





## **OIL ANALYSIS REPORT**





## DIAGNOSIS

#### Recommendation

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

### Wear

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

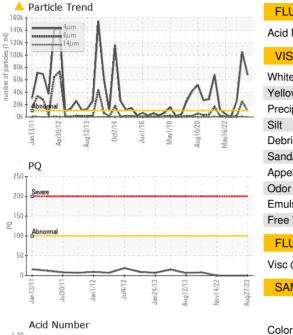
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

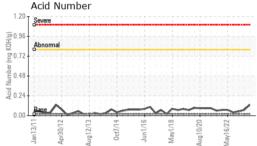


ATION	method Client Info	limit/base	current WC0828628	history1 WC0642880	history2 WC0587307
			WC0828628	WC0642880	WC0587307
	Client Info				1100307307
	Client Info		27 Aug 2023	27 Mar 2023	14 Nov 2022
hrs	Client Info		0	0	0
hrs	Client Info		0	0	0
	Client Info		N/A	N/A	N/A
			ABNORMAL	SEVERE	ABNORMAL
	method	limit/base	current	history1	history2
	ASTM D8184*		0	0	0
ppm	ASTM D5185(m)	>7	2	2	2
ppm	ASTM D5185(m)	>2	0	0	0
ppm	ASTM D5185(m)	>2	<1	<1	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)	>2	<1	0	0
ppm	ASTM D5185(m)	>33	2	3	2
ppm	ASTM D5185(m)	>3	1	1	1
ppm	ASTM D5185(m)	>6	0	0	0
ppm	ASTM D5185(m)		0	<1	<1
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
	method	limit/base	current	history1	history2
ppm	ASTM D5185(m)	0	0	<1	<1
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)	0	0	0	0
ppm	ASTM D5185(m)		0	<1	0
ppm	ASTM D5185(m)	0	<1	<1	0
ppm	ASTM D5185(m)	0	1	0	<1
ppm	ASTM D5185(m)	2.4	5	4	5
ppm	ASTM D5185(m)	0	4	3	3
ppm	ASTM D5185(m)		693	730	720
ppm	ASTM D5185(m)		<1	<1	<1
	method	limit/base	current	history1	history2
ppm	ASTM D5185(m)	>20	<1	<1	<1
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)	>20	<1	<1	<1
ESS	method	limit/base	current	history1	history2
	ASTM D7647	>10000	<b>67904</b>	105004	▲ 24923
	ASTM D7647	>1300	<u> </u>	25128	<b>1</b> 430
	ASTM D7647	>160	47	<b>5</b> 92	13
		>40	4	▲ 80	3
	ASTM D7647	240			
	ASTM D7647 ASTM D7647	>10	1	0	1
		>10			1 0
	ppm 1 ppm 2 ppm 2 ppm 3 ppm 4 ppm 4	Client Info           Rethod           ASTM D8184*           ppm         ASTM D5185(m)           ppm         ASTM D5185(m) <th>Client InfoClient InfomethodASTM DS185(m)ASTM DS185(m)PpmASTM DS185(m)Ppm&lt;</th> <td>Client InfoN/A ABNORMALmethodlimit/basecurrentASTM D8184*0ppmASTM D5185(m)&gt;72ppmASTM D5185(m)&gt;20ppmASTM D5185(m)&gt;2&lt;1</td> ppmASTM D5185(m)>2<1	Client InfoClient InfomethodASTM DS185(m)ASTM DS185(m)PpmASTM DS185(m)Ppm<	Client InfoN/A ABNORMALmethodlimit/basecurrentASTM D8184*0ppmASTM D5185(m)>72ppmASTM D5185(m)>20ppmASTM D5185(m)>2<1	NA     NA     N/A       Client Info     N/A     N/A       ABNORMAL     SEVERE       method     limit/base     current     history1       ASTM D8184*     0     0       ppm     ASTM D5185(m)     >7     2     2       ppm     ASTM D5185(m)     >2     0     0       ppm     ASTM D5185(m)     >2     2     1       ppm     ASTM D5185(m)     >2     2     1       ppm     ASTM D5185(m)     >2     2     1       ppm     ASTM D5185(m)     >2     2     3       ppm     ASTM D5185(m)     >3     1     1       ppm     ASTM D5185(m)     >6     0     0       ppm     ASTM D5185(m)     >6     0     0       ppm     ASTM D5185(m)     >6     0     0       ppm     ASTM D5185(m)     0     0     0       ppm     ASTM D5185(m)     0     0     1       ppm     ASTM D5185(m)     0     <1



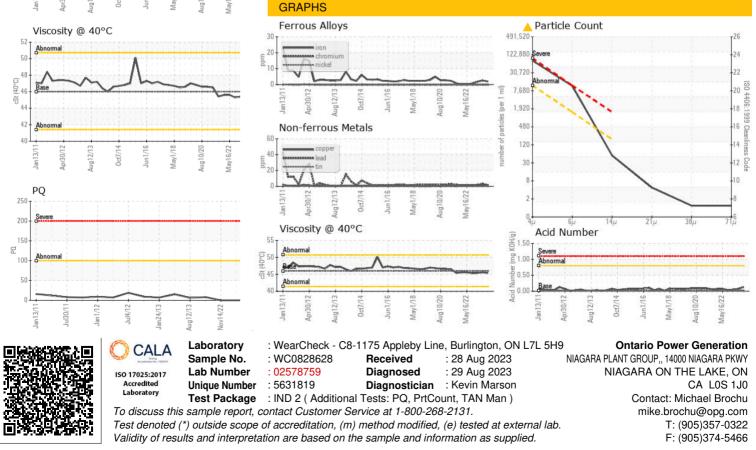
# **OIL ANALYSIS REPORT**





FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.13	0.07	0.05
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	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	45.4	45.6	45.4
SAMPLE IMAGES	S	method	limit/base	current	history1	history2





Bottom

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