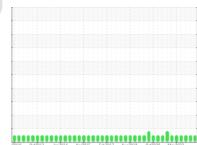


# **OIL ANALYSIS REPORT**

## Sample Rating Trend







# SAB1 Machine Id SAB1 G7

Component Thrust Bearing

ESSO TERESSO ISO 46 (4250 LTR)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using IND 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid.

#### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### **Fluid Condition**

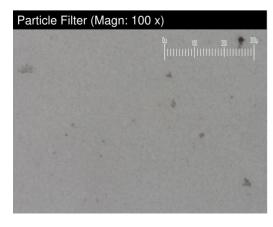
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		12010 Oct2012	2 Jan2014 Apr2015	Feb2017 Aug2018 Oct2020 N	May2022	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0864645	WC0828626	WC0587305
Sample Date		Client Info		21 Dec 2023	27 Aug 2023	14 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				NORMAL	NORMAL	NORMAL

CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>85	3	3	3
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	<1	<1	0
Lead	ppm	ASTM D5185(m)	>60	0	0	<1
Copper	ppm	ASTM D5185(m)	>7	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>40	<1	0	<1
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		method	limit/base	current	history1	history2

ADDITIVES		method				history2
Boron	ppm	ASTM D5185(m)	0	0	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	0	0
Calcium	ppm	ASTM D5185(m)	0	<1	<1	0
Phosphorus	ppm	ASTM D5185(m)	2.4	<1	1	<1
Zinc	ppm	ASTM D5185(m)	0	2	2	1
Sulfur	ppm	ASTM D5185(m)		1528	1432	1491
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2

CONTAMINANTS		method				history2
Silicon	ppm	ASTM D5185(m)	>20	3	4	3
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	1	<1	0
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	317	165	1201
Particles >6µm		ASTM D7647	>1300	110	50	320
D 11 1 1 1		ASTM D7647	>160	16	5	15
Particles >14µm		ASTIVI D/04/	>100	10	5	13



Particles >4µm	ASTM D7647	>10000	317	165	1201
Particles >6µm	ASTM D7647	>1300	110	50	320
Particles >14μm	ASTM D7647	>160	16	5	15
Particles >21μm	ASTM D7647	>40	3	2	3
Particles >38μm	ASTM D7647	>10	1	1	0
Particles >71μm	ASTM D7647	>3	0	1	0
Oil Cleanliness	ISO 4406 (c)	>20/17/14	15/14/11	15/13/10	17/15/11



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0864645 : 02604973 : 5698058

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Recieved Diagnosed Diagnostician : Kevin Marson

: 22 Dec 2023 : 27 Dec 2023

**Ontario Power Generation** NIAGARA PLANT GROUP,, 14000 NIAGARA PKWY NIAGARA ON THE LAKE, ON

CA LOS 1J0

Test Package : IND 2 ( Additional Tests: BottomAnalysis, FilterPatch, PrtFilter, TAN Man ) Contact: Michael Brochu To discuss this sample report, contact Customer Service at 1-800-268-2131.

mike.brochu@opg.com T: (905)357-0322

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: (905)374-5466