

OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



SAB2 Machine Id SAB2 G14

Component Thrust Bearing

ESSO TERESSO ISO 46 (5000 LTR)

DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. 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

Light concentration of visible metal present. Bearing wear is indicated.

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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0890837	WC0801576	WC0858069
Sample Date		Client Info		27 Mar 2024	07 Jan 2024	25 Oct 2023
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	NORMAL	NORMAL
CONTAMINATION	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	1	1	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>40	0	<1	0
Lead	ppm	ASTM D5185(m)	>60	0	<1	<1
Copper	ppm	ASTM D5185(m)	>7	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>40	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
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		mothod	limit/baco	ourront	hictory1	hictory?

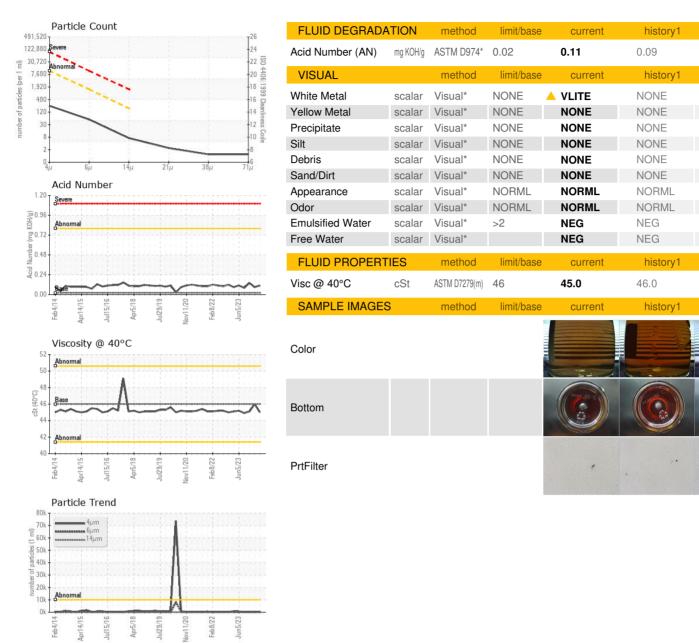
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	0	0	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	0	0
Calcium	ppm	ASTM D5185(m)	0	0	<1	<1
Phosphorus	ppm	ASTM D5185(m)	2.4	1	<1	2
Zinc	ppm	ASTM D5185(m)	0	1	1	2
Sulfur	ppm	ASTM D5185(m)		1964	2083	1975
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
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CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<1	2	2
Sodium	ppm	ASTM D5185(m)		0	0	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	213	309	127
Particles >6µm		ASTM D7647	>1300	47	75	30
Particles >14µm		ASTM D7647	>160	6	7	3
Particles >21µm		ASTM D7647	>40	2	2	2
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	15/13/10	15/13/10	14/12/9





OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number : 5750386

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0890837 : 02625267

Received **Tested** Diagnosed

: 28 Mar 2024 : 01 Apr 2024 : 01 Apr 2024 - Kevin Marson

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: Alex Courtemanche To discuss this sample report, contact Customer Service at 1-800-268-2131.

alex.courtemanche@opg.com

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.

T: (905)357-0322 F: (905)357-6558

history2

history2

0.14

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history2

history2

NEG

NEG

45.1