

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

## Area SAB2 **SAB2 G12** Component **Thrust Bearing** Fluid ESSO TERESSO ISO 46 (5000 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

Component wear rates appear to be normal (unconfirmed).

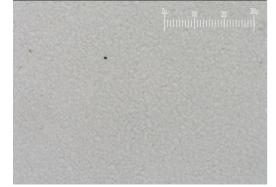
#### Contamination

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.

Particle Filter (Magn: 100 x)







## 

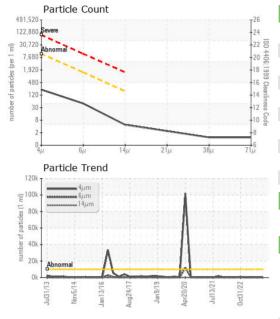
SAMPLE INFORM	<b>NATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0858062	WC0830362	WC0780528
Sample Date		Client Info		25 Oct 2023	31 Jul 2023	05 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>85	1	2	2
Chromium	ppm	ASTM D5185(m)		0	0	0
Nickel		ASTM D5185(m)	>20	0	0	0
Titanium	ppm ppm	ASTM D5185(m)	>20	0	0	0
Silver	ppm	ASTM D5185(m) ASTM D5185(m)		۰ <1	0	0
Aluminum	ppm	ASTM D5185(m)	>10	0	0	<1
Lead		ASTM D5185(m)	>40 >60	0	<1	<1
Copper	ppm ppm	ASTM D5185(m)		۰ <1	<1	0
Tin	ppm	ASTM D5185(m) ASTM D5185(m)	>7 >40	0	0	0
Antimony	ppm	ASTM D5185(m)	240	0	0	<1
Vanadium	ppm	ASTM D5185(m) ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m) ASTM D5185(m)		0	0	0
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	<1	<1
Barium	ppm	ASTM D5185(m)		<1	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	<1	<1
Calcium	ppm	ASTM D5185(m)		<1	<1	0
Phosphorus	ppm	ASTM D5185(m)	2.4	1	2	<1
Zinc	ppm	ASTM D5185(m)	0	<1	1	<1
Sulfur	ppm	ASTM D5185(m)		1898	2113	1930
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	2	3	2
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	193	490	351
Particles >6µm		ASTM D7647	>1300	42	99	74
Particles >14µm		ASTM D7647	>160	4	12	9
Particles >21µm		ASTM D7647	>40	2	3	4
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	15/13/9	16/14/11	16/13/10
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.09	0.06	0.07
(17.47) Boy: 1						Submitted By: (

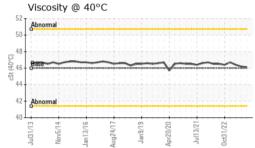
Report Id: ONTQUE [WCAMIS] 02592132 (Generated: 10/30/2023 16:17:47) Rev: 1

Submitted By: ?

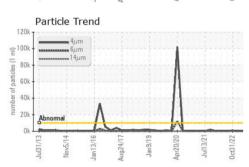


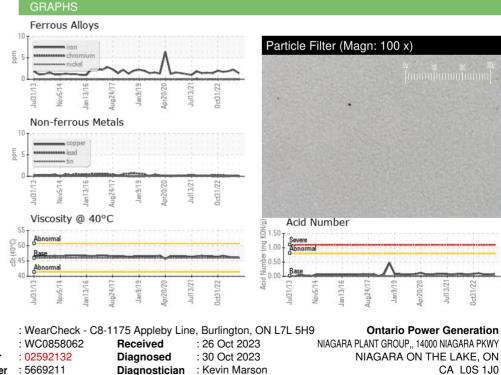
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	▲ VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	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	46.1	46.2	46.4
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
Bottom						
PrtFilter					· · · · ·	





 Accredited Laboratory
 Unique Number
 : 5669211
 Diagnostician
 : Kevin Marson
 CA
 L0S 1J0

 To discuss this sample report, contact Customer Service at 1-800-268-2131.
 : IND 2 (Additional Tests: BottomAnalysis, FilterPatch, PrtFilter, TAN Ma©ontact: Alex Courtemanche@opg.com
 alex.courtemanche@opg.com

 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 T: (905)357-0322

 Validity of results and interpretation are based on the sample and information as supplied.
 F: (905)357-6558