

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



GTRB-4503 GENERATOR

Component

Tank Turbine

R&O OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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

2015 Nov2016 Feb2017 Jun2018 Jun2018 Jun2021 Sep2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HLC0002312	HLC0002675	HLC0002303
Sample Date		Client Info		12 Oct 2023	12 Jun 2023	11 Mar 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0	0	0
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	0
Lead	ppm	ASTM D5185m		8	0	0
Copper	ppm	ASTM D5185m	>5	<1	0	0
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	4	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	5	0	<1	<1
Calcium	ppm	ASTM D5185m	5	0	0	0
Phosphorus	ppm	ASTM D5185m	100	4	16	17
Zinc	ppm	ASTM D5185m	25	0	0	0
Sulfur	ppm	ASTM D5185m	1500	641	382	60
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	1	3
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		140	184	2854
Particles >6µm		ASTM D7647	>1300	32	42	683
Particles >14μm		ASTM D7647	>160	3	6	43
Particles >21µm		ASTM D7647	>40	1	2	13
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	14/12/9	15/13/10	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045 0.08

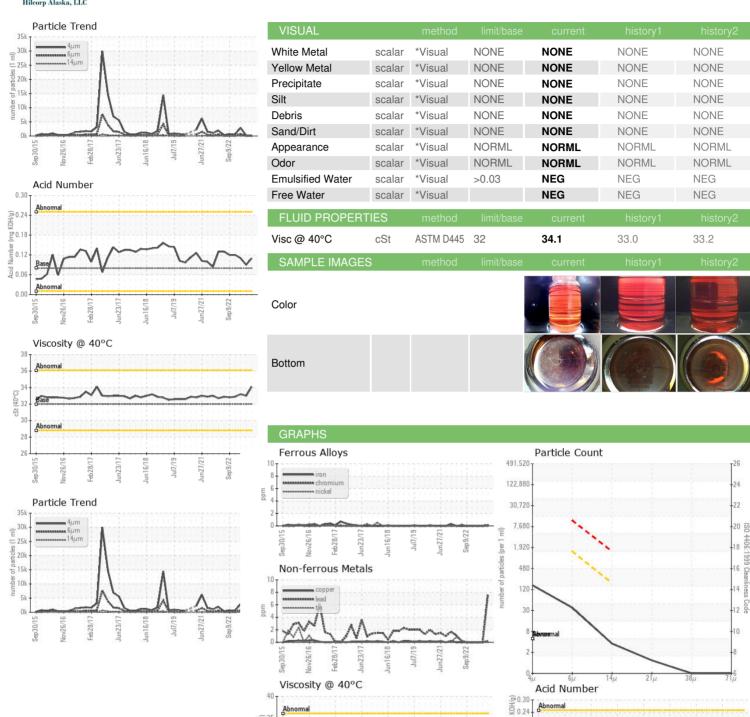
0.09

0.11

0.11



OIL ANALYSIS REPORT







Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: 10725724 Test Package : IND 2

£ 30

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Nov 2023 : HLC0002312 Received : 05997364 Diagnosed : 05 Nov 2023

: Don Baldridge Diagnostician

Sep9/22.

Acid Number (mg K 0000 0000

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

HILCORP ALASKA LLC - ENDICOTT

604 WAREHOUSE ENDICOTT PRUDHOE BAY, AK US 99734

Contact: SEAN LOWTHER

slowther@hilcorp.com T: (907)659-6800

F: