

LubeWatch® Maintenance Management System

UIN 013C953

Turbine

Unit No. ELF-01

Unit:
Make
Model
Serial No. 205110
Site Ss El Faro

Compartment:
Name Main Engine Propulsion Turbine

Make GE
Model C22
Serial No.
Capacity: gal




Customer:
SEA STAR LINES LLC
8710 Longshore Way Blount Island
Jacksonville FL 32226
USA

DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range.







Action: Resample next service interval to further monitor.

ANALYST: Sam Smith Atlanta

LEGEND				
				
Normal	Severe	Abnormal	Caution	Normal



(800) LUBE-808

DATE SAMPLED	30-Nov-14	03-Jul-14	27-Mar-14	04-Jan-14	16-Apr-12	07-Mar-12
DATE RECEIVED	11-Dec-14	10-Jul-14	31-Mar-14	10-Jan-14	23-Apr-12	22-Mar-12
DATE REPORTED	15-Dec-14	11-Jul-14	01-Apr-14	13-Jan-14	24-Apr-12	26-Mar-12
LAB NO.	42020604284	42020543617	42020505842	42020476920	42020256312	42020244333
SIF NO.	15965456	11644389	15086989	102536710077	10682644	10682629
TIME ON UNIT	Hrs					
TIME ON OIL	Hrs					
OIL BRAND	Chevron	Chevron	Chevron	Chevron	Chevron	Chevron
OIL TYPE	GST Oil	GST Oil	GST Oil	GST Oil	GST Oil	GST Oil
OIL GRADE	ISO 100	ISO 100	ISO 100	ISO 100	ISO 100	ISO 100
OIL ADDED						
FILTER	Not Applicable					
OIL CHANGED						
WO NUMBER						
Metals (ppm)						
Iron (Fe)	<1	<1	<1	<1	<1	<1
Chromium (Cr)	<1	<1	<1	<1	<1	<1
Lead (Pb)	<1	<1	<1	<1	<1	<1
Copper (Cu)	<1	<1	1	<1	<1	<1
Tin (Sn)	<1	<1	<1	<1	<1	<1
Aluminium (Al)	<1	2	1	<1	<1	<1
Nickel (Ni)	<1	<1	<1	<1	<1	<1
Silver (Ag)	<1	<1	<1	<1	<1	<1
Titanium (Ti)	<1	<1	<1	<1	<1	<1
Vanadium (V)	<1	<1	<1	<1	<1	<1
Contaminants (ppm)						
Silicon (Si)	<1	<1	<1	<1	<1	<1
Sodium (Na)	<1	2	1	<1	<1	1
Potassium (K)	<5	<5	<5	<5	<5	5
Water (%)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Additives (ppm)						
Magnesium (Mg)	<1	<1	<1	<1	<1	<1
Calcium (Ca)	<1	<1	<1	<1	<1	12
Barium (Ba)	<1	<1	<1	<1	<1	<1
Phosphorus (P)	2	<1	<1	1	2	6
Zinc (Zn)	4	3	4	4	3	1
Molybdenum (Mo)	<1	<1	<1	<1	<1	<1
Boron (B)	<5	<5	<5	<5	<5	<5
Physical Tests						
Viscosity (cSt 40C)	96.8	95.9	93.7	95.2	95.1	96.5
Solids (%)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Physical / Chemical						
Acid Number (mgKOH/g)	0.08	0.12	0.05	0.17	0.05	0.05
						



UIN 013C953

U.S. Laboratories

- | | |
|--|---|
| Atlanta, Georgia - 420
3121 Presidential Drive
Atlanta, GA 30340
800.394.3669 | Valley View, Ohio - 410
6180 Halle Dr. Suite D
Valley View, OH 44125
800.726.5400 |
| Kansas City, Kansas - 430
935 Sunshine Road
Kansas City, KS 66115
800.332.8055 | Phoenix, Arizona - 440
3319 West Earll Drive
Phoenix, AZ 85017
800.445.7930 |
| Portland, Oregon - 401
4943 NW Front Avenue
Portland, OR 97210
800.770.4128 | Sparks, Nevada - 400
1375 Greg Street, Suite 104
Sparks, NV 89431
800.524.7848 |

Canadian Laboratories

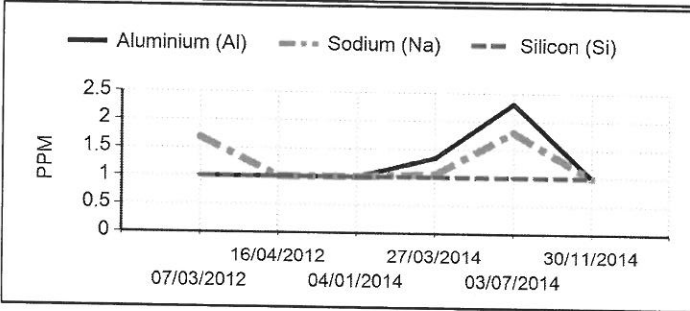
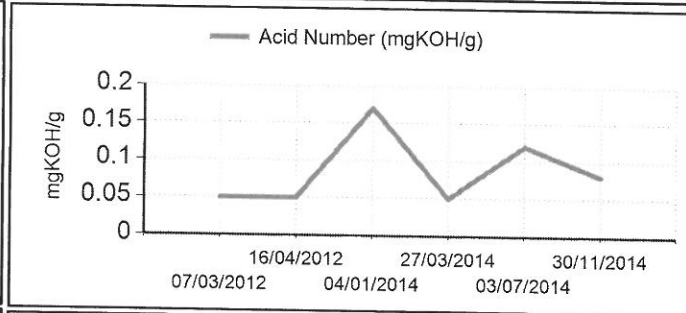
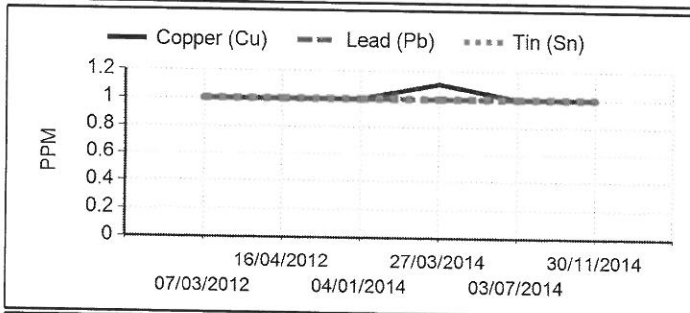
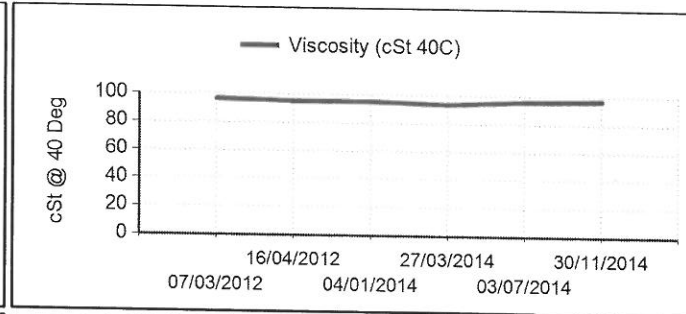
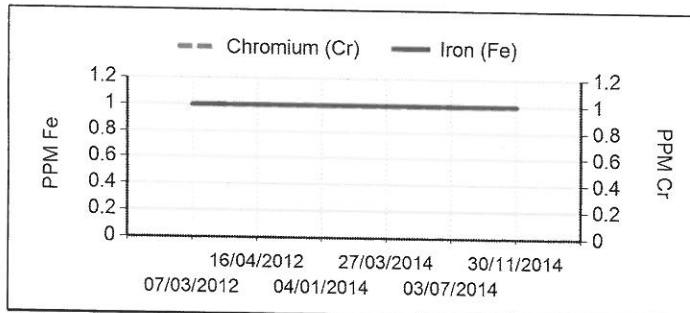
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1240 Burloak Drive, Unit 6
Burlington, ON L7L 6B3
877.732.9559 |
| Edmonton, Alberta - 402
10717-176 Street
Edmonton, AB T5S 1K1
888.489.0057 |

Sales & Marketing

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| Houston, Texas
10450 Stancliff Road, Suite 210
Houston, TX 77099
877.835.8437 |
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International Locations

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| Australia
Brisbane, Perth, Sydney,
Muswellbrook | New Zealand
Wellington |
| Europe
Prague | Southeast Asia
Kuala Lumpur, Singapore |
| South America
Santiago de Chile | |



Filter Image

Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

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