

UIN 013C953

Unit No.	Turbine 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

DATE SAMPLED	29-Jun-15	16-Mar-15	01-Mar-15	30-Nov-14	03-Jul-14	27-Mar-14
DATE RECEIVED	08-Jul-15	03-Apr-15	11-Mar-15	11-Dec-14	10-Jul-14	31-Mar-14
DATE REPORTED	09-Jul-15	07-Apr-15	13-Mar-15	15-Dec-14	11-Jul-14	01-Apr-14
LAB NO.	42020690101	42020650011	42020639067	42020604284	42020543617	42020505842
SIF NO.	15965416	12786350	15965401	15965456	11644389	15086989
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	Not Changed	Not Changed	Not Changed	Not Changed	Not Changed	Not Changed
WO NUMBER						
Metals (ppm)						
Iron (Fe)	<1	2	<1	<1	<1	<1
Chromium (Cr)	2	2	<1	<1	<1	<1
Lead (Pb)	1	1	<1	<1	<1	<1
Copper (Cu)	1	2	<1	<1	<1	1
Tin (Sn)	3	<1	<1	<1	<1	<1
Aluminium (Al)	3	1	<1	<1	2	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	<1	<1	<1	2	1
Potassium (K)	5	9	<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	3	<1	<1	<1
Barium (Ba)	<1	<1	<1	<1	<1	<1
Phosphorus (P)	<1	1	3	2	<1	<1
Zinc (Zn)	3	11	6	4	3	4
Molybdenum (Mo)	<1	1	<1	<1	<1	<1
Boron (B)	<5	<5	<5	<5	<5	<5
Physical Tests						
Viscosity (cSt 40C)	89.5	95.4	93.5	96.8	95.9	93.7
Solids (%)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Physical / Chemical						
Acid Number (mgKOH/g)	0.06	0.05	0.09	0.08	0.12	0.05
						



(800) LUBE-808



UIN 013C953

U.S. Laboratories

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

Canadian Laboratories

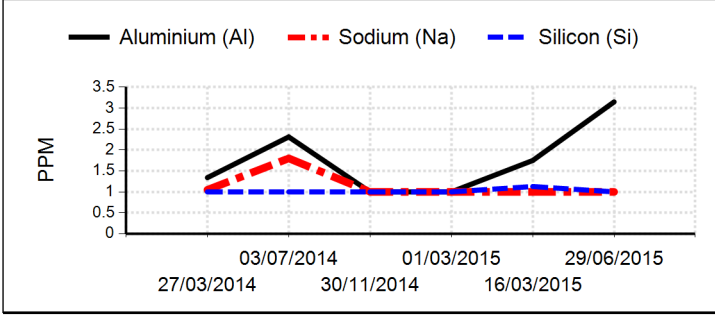
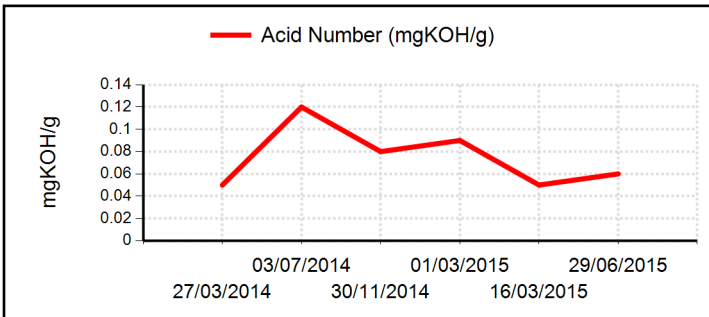
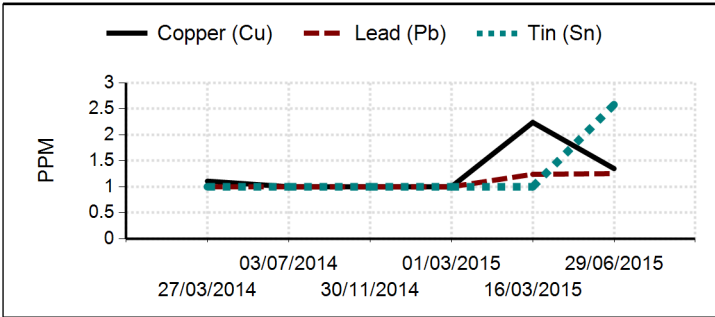
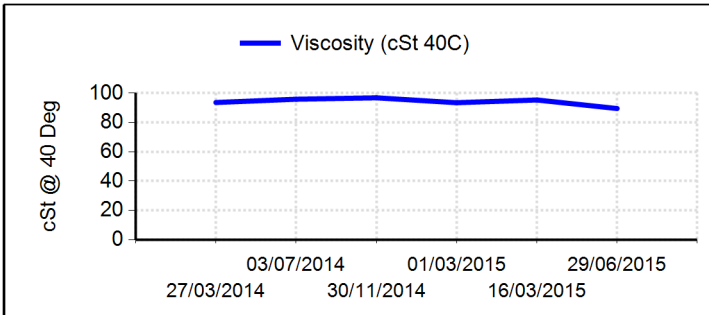
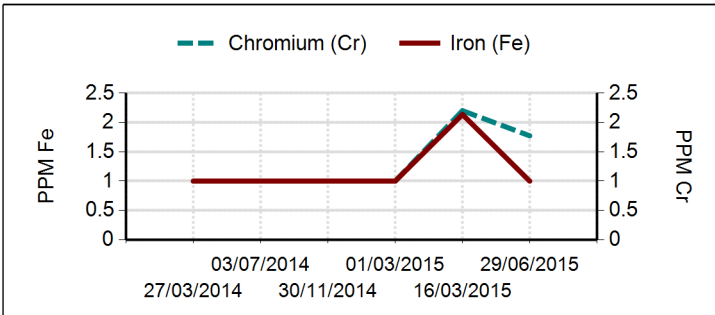
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|--|
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| <p>Edmonton, Alberta - 402
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Edmonton, AB T5S 1K1
888.489.0057</p> |

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10450 Stancliff Road, Suite 210
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877.835.8437

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Filter Image

Filter patch test is not performed Contact laboratory for more information

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