

UIN 081D1E6

Diesel Engine

Unit No. Serena

Unit:
Make
Model
Serial No.
Site Eddie Reeves

Compartment:

Name Stbd Main Engine
Make Luger
Model
Serial No. 1271-3179
Capacity: Ltrs

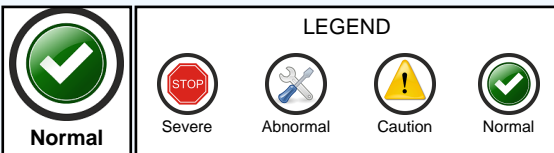
Customer:
 TWO STAR MARITIME
 4725 Thornton Ave
 Fremont CA 94536
 USA

DIAGNOSIS

Engine wear levels appear satisfactory for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity within specified operating range. Action: Resample next service interval to monitor and establish wear trend.

ANALYST: Jon.Sowers

LEGEND



Normal Severe Abnormal Caution Normal

DATE SAMPLED	24-Jul-20
DATE RECEIVED	25-Aug-20
DATE REPORTED	18-Sep-20
LAB NO.	42021538008
SIF NO.	25501783
TIME ON UNIT	3738
TIME ON OIL	271
OIL BRAND	Shell
OIL TYPE	Rotella T4 Tri P (CK4)
OIL GRADE	SAE 15W40
OIL ADDED	
FILTER	Not Applicable
OIL CHANGED	Not Provided
WO NUMBER	

Metals (ppm)

Iron (Fe)	5
Chromium (Cr)	<1
Lead (Pb)	2
Copper (Cu)	1
Tin (Sn)	<1
Aluminium (Al)	<1
Nickel (Ni)	<1
Silver (Ag)	<1
Titanium (Ti)	<1
Vanadium (V)	<1

Contaminants (ppm)

Silicon (Si)	5
Sodium (Na)	3
Potassium (K)	4
Coolant	No

Additives (ppm)

Magnesium (Mg)	103
Calcium (Ca)	2073
Barium (Ba)	<1
Phosphorus (P)	1032
Zinc (Zn)	1233
Molybdenum (Mo)	31
Boron (B)	157

Contaminants

Water (%)	<0.05
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Physical Tests

Viscosity (cSt 100C)	14.5
Fuel (%)	<1
Soot (%) Infrared	0.3

Physical / Chemical

Base Number (mgKOH/g)	7.8
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U.S. Laboratories

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Building 200 Suite 245
Norcross, GA 30093
800.394.3669

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6180 Halle Dr. Suite D
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International Locations

Australia

Brisbane, Perth, Sydney,
Muswellbrook

Europe

Prague

New Zealand

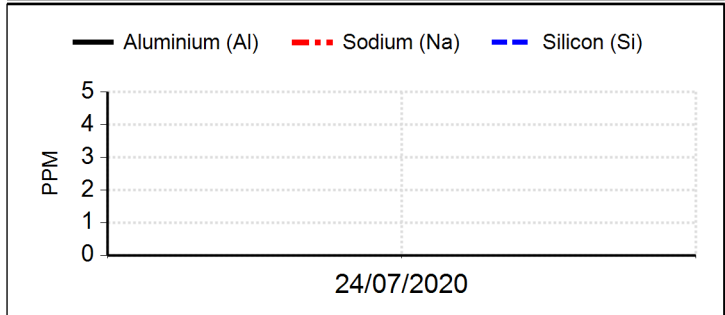
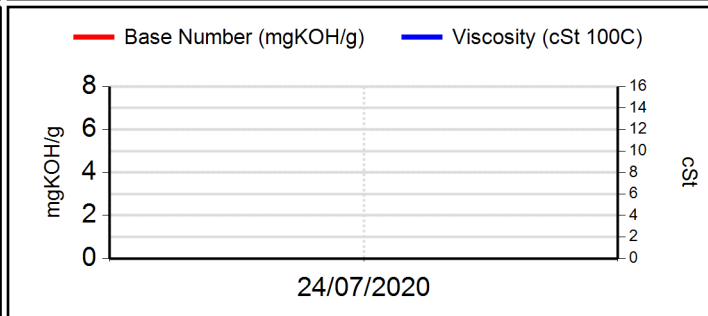
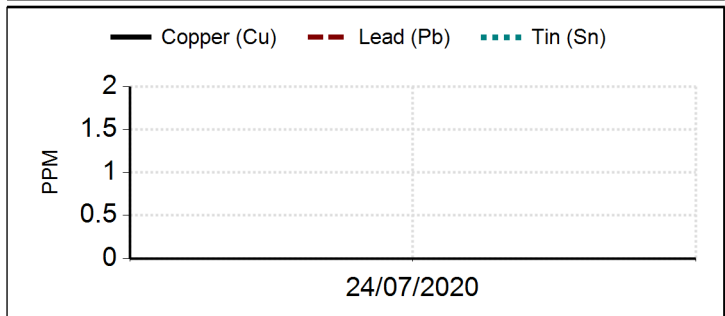
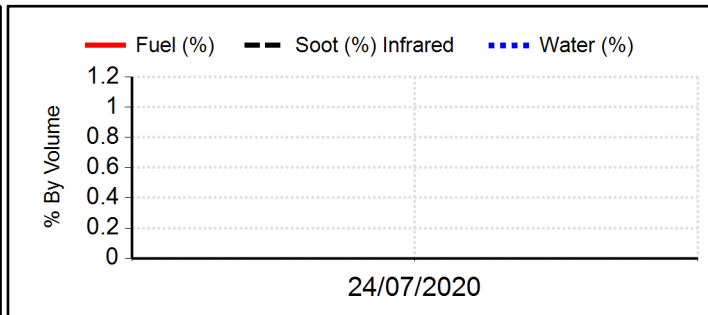
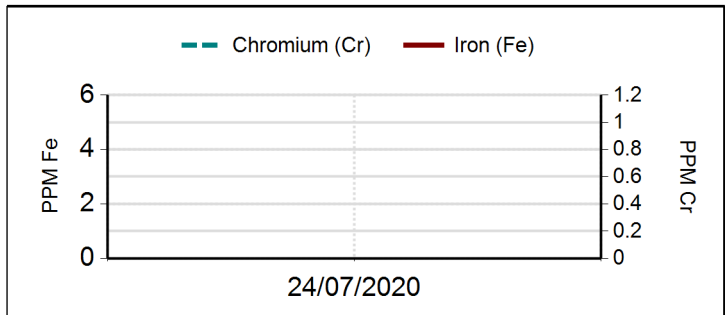
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Filter Image

Filter patch test is not performed Contact laboratory for more information

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