

UIN 081D1E9

Diesel Engine

Unit No. Serena

Unit:
Make
Model
Serial No.
Site Eddie Reeves

Compartment:

Name Port Main Engine
Make Luger
Model
Serial No. 1271-3180
Capacity: 0.0 Ltrs

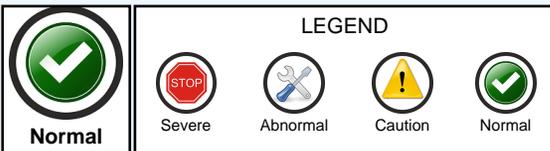
Customer:
 TWO STAR MARITIME
 4725 Thornton Ave
 Fremont CA 94536
 USA

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.	42021538009
SIF NO.	25437782
TIME ON UNIT	3746
TIME ON OIL	249
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)	6
Chromium (Cr)	<1
Lead (Pb)	2
Copper (Cu)	2
Tin (Sn)	2
Aluminium (Al)	<1
Nickel (Ni)	<1
Silver (Ag)	<1
Titanium (Ti)	<1
Vanadium (V)	<1

Contaminants (ppm)

Silicon (Si)	6
Sodium (Na)	5
Potassium (K)	4
Coolant	No

Additives (ppm)

Magnesium (Mg)	69
Calcium (Ca)	2175
Barium (Ba)	<1
Phosphorus (P)	1067
Zinc (Zn)	1278
Molybdenum (Mo)	20
Boron (B)	155

Contaminants

Water (%)	<0.05
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Physical Tests

Viscosity (cSt 100C)	14.0
Fuel (%)	<1
Soot (%) Infrared	0.4

Physical / Chemical

Base Number (mgKOH/g)	7.0
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U.S. Laboratories

Atlanta, Georgia - 420

5300 OakBrook Parkway
Building 200 Suite 245
Norcross, GA 30093
800.394.3669

Valley View, Ohio - 410

6180 Halle Dr. Suite D
Valley View, OH 44125
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Kansas City, Kansas - 430

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Phoenix, Arizona - 440

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Sales & Marketing

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10450 Stancliff Road, Suite 210
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International Locations

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Muswellbrook

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Prague

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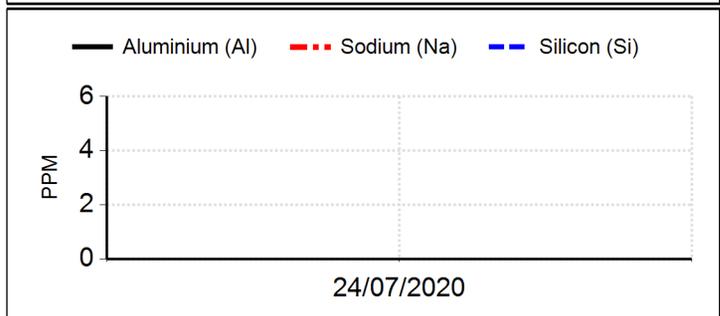
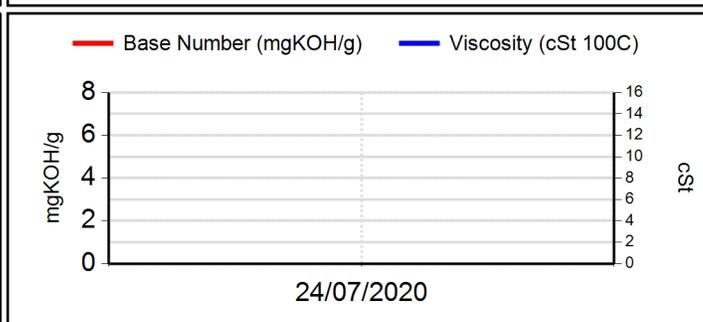
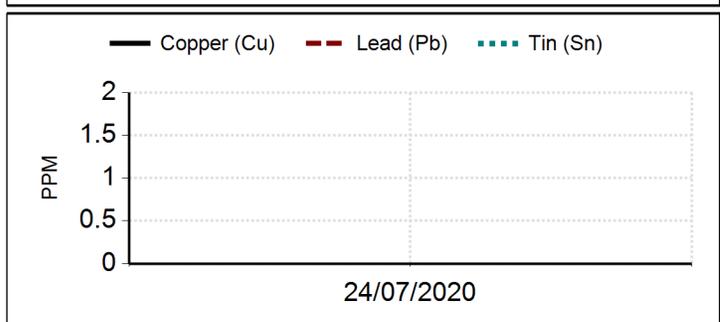
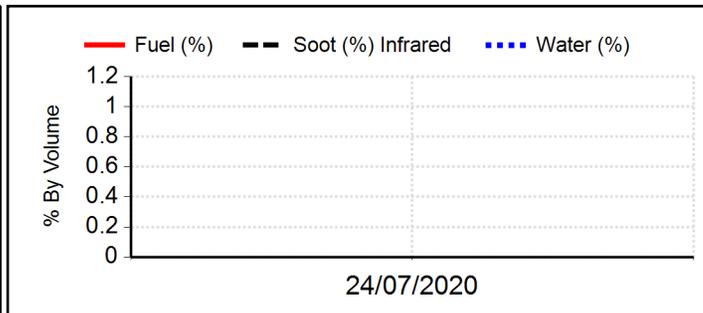
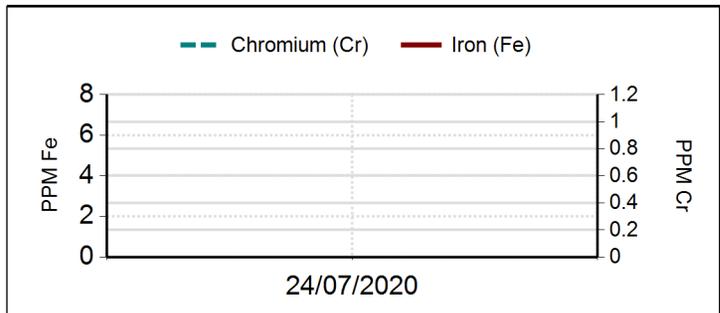
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Filter Image

Filter patch test is not performed Contact laboratory for more information

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