

UIN 07D3AA6

Transmission

Unit No. OOSR340SD

Unit:
Make
Model
Serial No.
Site

Compartment:

Name Port Transmission
Make ZF
Model .
Serial No. 15-16837
Capacity: 0.0 Ltrs

Customer:
MIDSOUTH MARINE SERVICES LLC
3402 Bluebird Lane
Corinth MS 38834
USA

DIAGNOSIS

Iron and copper levels are higher than normal for this unit. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity low for specified oil grade. Action: Check for any abnormal noise or vibration. Change oil and filter(s) if not already done. Resample at a reduced service interval to further monitor.

ANALYST: Jon.Sowers

LEGEND				
Caution	Severe	Abnormal	Caution	Normal

DATE SAMPLED	13-Mar-20
DATE RECEIVED	19-Mar-20
DATE REPORTED	23-Mar-20

LAB NO.	42021469721
SIF NO.	25929789
TIME ON UNIT	Hrs 761
TIME ON OIL	Hrs 761
OIL BRAND	Unidentified
OIL TYPE	ATF
OIL GRADE	-
OIL ADDED	
FILTER	Not Changed
OIL CHANGED	Not Changed
WO NUMBER	

Metals (ppm)

Iron (Fe)	305
Chromium (Cr)	1
Lead (Pb)	385
Copper (Cu)	260
Tin (Sn)	4
Aluminium (Al)	5
Nickel (Ni)	<1
Silver (Ag)	<1
Titanium (Ti)	<1
Vanadium (V)	<1

Contaminants (ppm)

Silicon (Si)	14
Sodium (Na)	7
Potassium (K)	2

Additives (ppm)

Magnesium (Mg)	4
Calcium (Ca)	19
Barium (Ba)	640
Phosphorus (P)	277
Zinc (Zn)	325
Molybdenum (Mo)	<1
Boron (B)	68

Contaminants

Water (%)	<0.05
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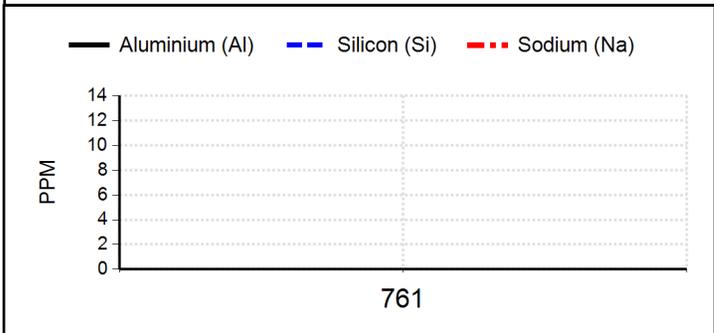
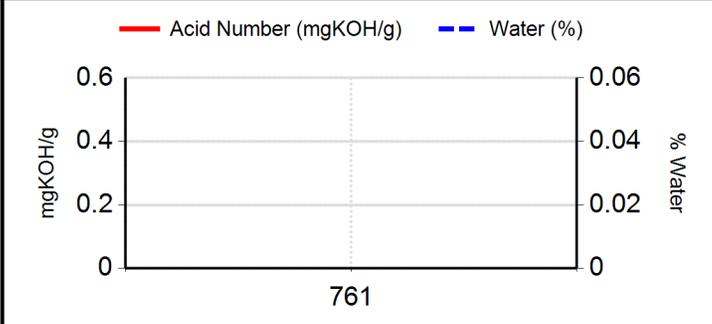
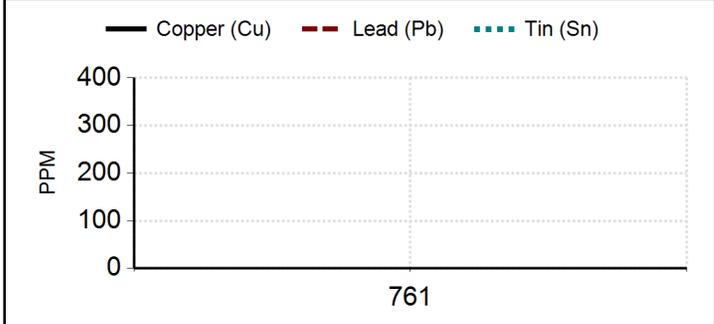
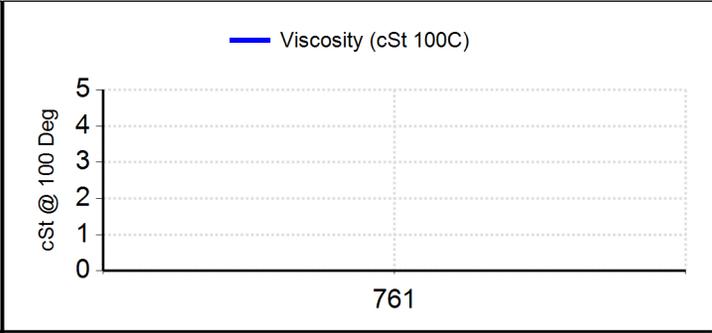
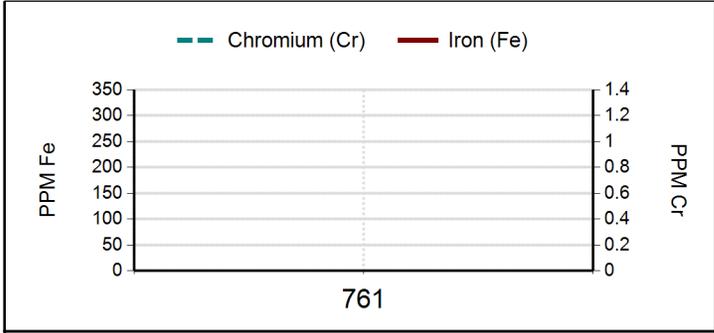
Physical Tests

Viscosity (cSt 100C)	4.4
Solids (%)	<0.1

Physical / Chemical

Acid Number (mgKOH/g)	0.55
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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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