

UIN 07D3AA5

Transmission

Unit No. OOSR340SD

Unit:
Make
Model
Serial No.
Site

Compartment:


Name Stbd Transmission
Make ZF
Model .
Serial No. 15-14051
Capacity: Ltrs

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

DIAGNOSIS


Cooler core leaching/clutch pack/thrust washer wear indicated. All other wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity low for specified oil grade. Action: Check for any abnormal noise, vibration, or poor performance. Change oil and filter(s) and evaluate filter debris as a precaution. Resample at a reduced service interval to further monitor.

ANALYST: Jon.Sowers




Severe


LEGEND




Severe



Abnormal



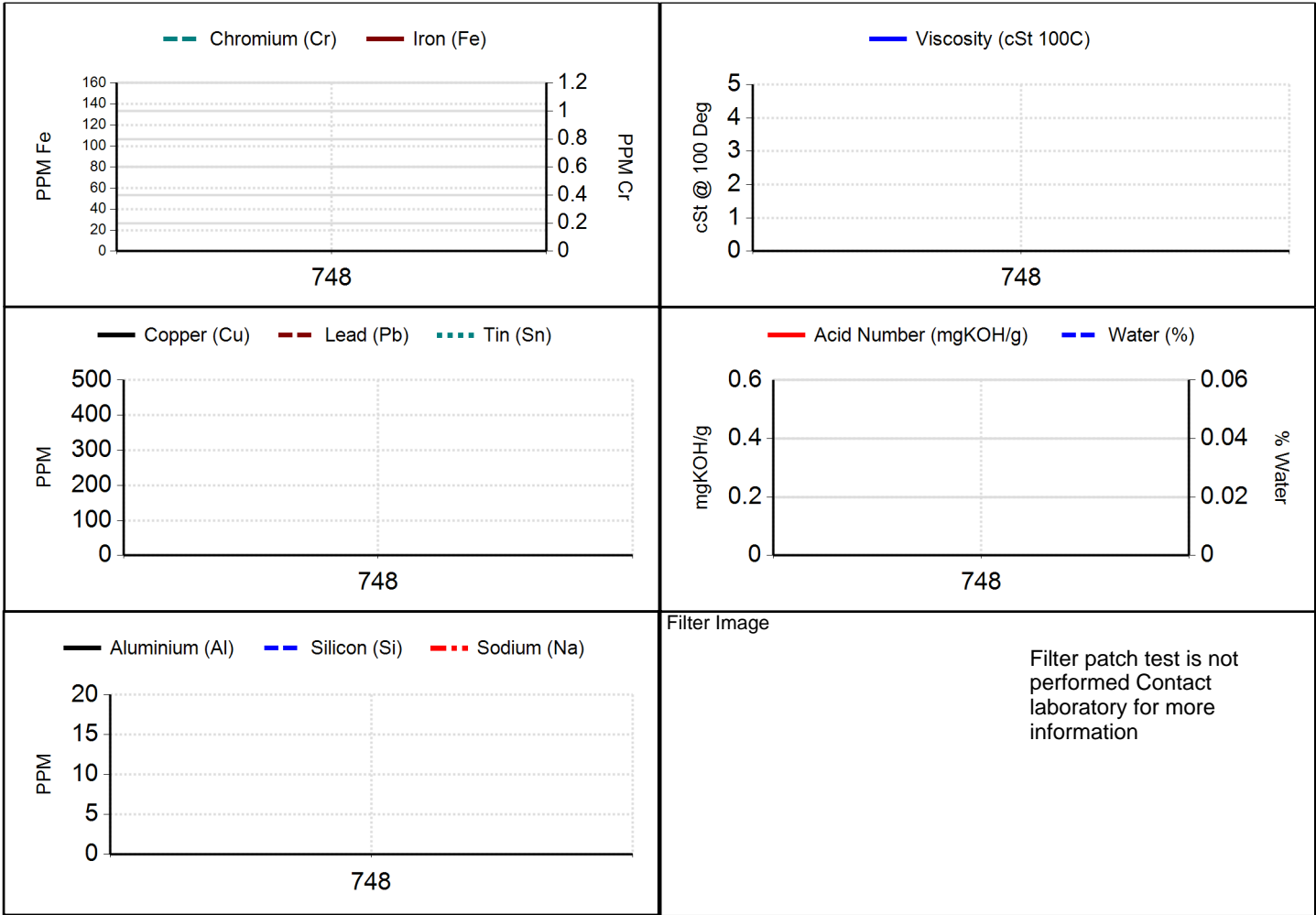
Caution



Normal

DATE SAMPLED	13-Mar-20
DATE RECEIVED	19-Mar-20
DATE REPORTED	23-Mar-20
LAB NO.	42021469720
SIF NO.	25906763
TIME ON UNIT	Hrs 748
TIME ON OIL	Hrs 748
OIL BRAND	Unidentified
OIL TYPE	ATF
OIL GRADE	-
OIL ADDED	
FILTER	Not Changed
OIL CHANGED	Not Changed
WO NUMBER	
Metals (ppm)	
Iron (Fe)	145
Chromium (Cr)	<1
Lead (Pb)	327
Copper (Cu)	488
Tin (Sn)	4
Aluminium (Al)	5
Nickel (Ni)	<1
Silver (Ag)	<1
Titanium (Ti)	<1
Vanadium (V)	<1
Contaminants (ppm)	
Silicon (Si)	16
Sodium (Na)	10
Potassium (K)	3
Additives (ppm)	
Magnesium (Mg)	3
Calcium (Ca)	63
Barium (Ba)	543
Phosphorus (P)	286
Zinc (Zn)	262
Molybdenum (Mo)	<1
Boron (B)	55
Contaminants	
Water (%)	<0.05
Physical Tests	
Viscosity (cSt 100C)	4.4
Solids (%)	<0.1
Physical / Chemical	
Acid Number (mgKOH/g)	0.52





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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