

Account Information	Sample Information	Other Sample Information
Lab Customer ID#: 213604 Company Name: <a href="#">Wayfarer Marine</a> Company Worksite: Camden, ME Company Address: 59 SEA STREET CAMDEN, ME, 04843-0677	Lab No.: 201711290399 Sample Tracking #: NONE Sample Date: Nov 18, 2017 Received Date: Nov 29, 2017 Completed Date: Nov 30, 2017	PO No.: Work Order No.: Reference No.: 7591293
Unit Information	Component Information	Fluid Information
Unit ID: <a href="#">JEAN MARIE- MAIN STBD</a> Unit Mfg: Mannesmann Unit Model: Unit Serial #: Unit Worksite:	Cpnt. Description: <a href="#">MAIN STBD ENGINE</a> Cpnt. Mfg: Not Specified Cpnt. Model: Cpnt. Serial #: 4740614166A201 Cpnt. Type: DIESEL ENGINE	Fluid Manufacturer: UNSPECIFIED Fluid Brand/Product: UNKNOWN Fluid Grade: 15W40

**Maintenance Recommendations for Lab No.: 201711290399**

Evaluated By: Ross Master - Data Analyst

ANALYSIS REFLECTS CONDITIONS / VALUES NOTED FOR MONITORING PURPOSES ONLY. COPPER may be partly from oil cooler tubing. VISCOSITY is LOW for the reported oil type/grade. PLEASE VERIFY the viscosity grade in service. RESAMPLE at the next scheduled interval.

SPECTROCHEMICAL ANALYSIS IN PARTS PER MILLION

LAB NO.	SAMPLE DRAWN	Wear Metals										Contaminants			Additives							
		Iron	Chromium	Nickel	Aluminum	Lead	Copper	Tin	Silver	Titanium	Vanadium	Silicon	Sodium	Potassium	Boron	Molybdenum	Phosphorus	Zinc	Calcium	Barium	Magnesium	Antimony
0399	11/18/17	29	1	<1	1	<1	57 *	<1	<0.1	<1	<1	4	2	<1	118	47	914	1117	2095	<1	496	<1

SAMPLE INFORMATION

LAB NO.	SAMPLE DRAWN	UNIT TIME	FLUID TIME	UOM	FILTER CHG.	LUBE SERVICE
0399	11/18/17	1103		MI	Yes	C

FLUID PROPERTIES/CONTAMINANTS

D7279 Vis 100 °C	Visc Grade	E2412 SOOT	E2412 GLY ‡	Water	Fuel ‡
12.0 *	30 *	0.2	NEG	<0.1	1.0

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than N/R - Not Reported (M) - Modified /method

Testing performed by Bureau Veritas®, an ISO/IEC 17025:2005 accredited laboratory. L-A-B accredited Certificate Number L2264. †: Not in scope of accreditation. For further details on outsourced testing, contact the laboratory directly. ‡: This test is run based on a trigger test, in this case "<" values indicate that the trigger test was either not positive or the result was below the reportable limit. For a list of trigger tests refer to <http://www.bureauveritas.com/oil-analysis>.  
Notice: This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance recommendations and accuracy are affected by customer provided samples, equipment identification, maintenance history and apply only to this sample as provided. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof. The ultimate responsibility for the maintenance of this piece of equipment and all its components is the responsibility of the equipment owner.