



Diggs Diesel LLC
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Engine Survey

Date: 8/1/2024 Starboard

Name of Vessel: True Love Type of Vessel: Custom Aluminum Trawler

Size of Vessel: 73

Engine Make & Model: Yanmar 6SY-STP2 Engine Serial Number: 6516375

Engine Hours: 3211

Trans. Make & Model: ZF350A Trans. Serial # & Ratio: 20047197 2.630:1

Condition of Belts & Hoses: Belt looks good. Hoses look good.

Oil or Fuel Leaks: None found

Coolant or Saltwater Leaks: Slight corrosion around the ends of the transmission cooler.

Coolant Freeze Point: -35

	Cruise	13.5mph	FULL LOAD	14.5mph
RPM:		<u>1950</u>	RPM:	<u>2300</u>
Oil Pressure:		<u>77</u>	Oil Pressure:	<u>74</u>
Coolant Temp:		<u>171</u>	Coolant Temp:	<u>189</u>
Fuel Pressure:	<u>n/a</u>		Fuel Pressure:	<u>n/a</u>
Trans. Oil Pressure:	<u>n/a</u>		Trans. Oil Pressure:	<u>n/a</u>

Overall Condition of the Engine: Overall engine is in very good condition. Temps and pressure stayed within parameters. Saltwater does appear to be seeping from the end caps of the transmission cooler. Primary fuel filter is a racor 900MA. Engine oil sample came back good. Transmission oil sample was flagged for high water and copper. The transmission cooler could be failing and allowing water in the oil. Recommend replacing the transmission cooler and changing the oil.