



## Thompson Diesel Marine Services, LLC

P.O. Box 199 | Saint Helens, OR 97051

tdmservicespdx@gmail.com | (503) 577-9070

### Invoice

September 9, 2024

Invoice #iAW002

<b>Bill to: AgWestfc</b>
Via e-mail: David.Poor@agwestfc.com

<u>Date</u>	<u>Description</u>	<u>Labor Hours</u>	<u>Cost</u>
9-7-24	<p>Arrived at boat and had a JSA pre meeting with all involved on the scope of work for the day. Had to provide a helper since the ship yard did not have anyone available for weekend work. Packed down new gen set starting batteries. Disconnected old dead batts and removed from boat. Installed new batts and hooked up cables. Removed leaking fuel supply line from port gen set and had ran to town to have one built. Returned to boat and installed line. Checked fluids on both gen engines and the STBD needed oil and water added. Added fluids and started STBD gen set and immediately got a water in fuel alarm. Shut down unit and drained fuel/water filter to see if there was water in it. There was presence of water so I changed both primary and secondary filters. Re- started engine but still got the water in fuel alarm. This could be a faulty water sensor or wiring issue. This will not affect the ability to run the gen for the auction so just need to note there are active codes on this engine. There is also a large exhaust leak in the exhaust piping right above the engine somewhere under the hard wrap. The generator end is producing good stable voltage on all three legs. Shut down and removed negative cable to prevent the batt going dead again due to unknown parasitic draw. Started Port gen set and observed good stable voltage on all three legs. There are no problems or codes with this engine, shut down and unhooked negative cable. Moved onto the leaking oil filter supply line coupling. Remove old seals and installed new ones. This was time consuming due to the miss alignment of the two pipe pieces. Started both air compressors to build start air. The upper air compressor (#1) has an issue with the high pressure check valve on the head and is not sealing properly. I messed around with the check and got it to seat and start building air. This will need replaced to ensure reliability. The lower air compressor (#2) has a very loud groaning sound. This sounds like the motor bearings are shot and the motor needs replaced. Both compressors built up air but did not shut off automatically. I manually stopped them at 150 psi. I do not know what the previous engineer had them set to, so to prevent damage or a</p>	<p>5 @ \$135/Hr.    \$675.00</p> <p>Helper Rate 3 @ \$75/Hr.    \$225.00</p> <p>Travel 2 @ \$95/Hr.    \$190.00</p>	



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blown line they were manually shut off. Checked water and oil in both main engines to get ready to start. All levels are good, opened valve covers to observe pre lube. Lined out all valves for pre lube and started pre lube motors and made sure oil was present at the rockers and cams. Continued pre lube while I cracked open all sniffers for a blow down. Blew down both mains. Shut off pre lube, closed sniffers and lit off one main engine at a time to observe any leaks or issues. The STBD main engine has a loud tick coming from the outboard side bank. This could be problems with the valve train, power pack, or an exhaust leak at the manifold. Other than that the engine ran good. Started Port main engine and there are no issues observed. Shut down and secured engine room. While I still had starting air built I went up to the fiddle and checked fluids on the tow winch motor. All checked good, started engine and ran for a few mins, engine runs good. Shut down and secured. Packed tooling, supplies and trash out.

Subtotal Labor:      Hrs. 10      \$1,090.00



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### MATERIALS / PARTS

<u>Part Number</u>	<u>Description</u>	<u>Cost</u>	<u>Quantity</u>	<u>Total</u>
SLI8DAFT	12V flooded 8D starting batt	\$327.40	2	\$654.80
-10JIC hose	Built -10 JIC fuel hose	\$83.50	1	\$83.50
4" seal band	Marmmot coupling seal	\$23.10	2	\$46.20
COI	Adding additional insured	\$50.00	1	\$50.00

Subtotal Materials: \$834.50

### TOTAL INVOICE

<u>Description</u>	<u>Cost</u>
Subtotal Labor	\$1,090.00
Subtotal Materials / Parts	\$834.50

Total: \$1,924.50  
 5% reduced consumable charge \$96.00

**BALANCE DUE: \$2,020.50**

Please remit payment within 30 days of receipt of invoice. Please send payments to P.O. Box 199 Saint Helens, OR 97051. A late charge of 5% per month will be applied to any outstanding balances after 30 Days. Thank you.