

1. ****Issue****: The boat had a broken gear in the sail drive.

- Emergency haul out was necessary to address the problem.
- Broken tooth found in the sail drive gear.

2. ****Replacement Process****:

- Swapped out the old sail drive with a used one donated by a follower.
- Challenges faced during the replacement process.
- Installation of the sail drive and prop shaft.

3. ****Testing and Verification****:

- Testing the sail drive functionality in the water.
- Checking for leaks and proper operation post-replacement.

4. ****Additional Upgrades and Maintenance****:

- Replacing the depth transducer for speed through the water measurement.
- Upgrading to an ITC 5 unit for wind, depth, and speed data consolidation.
- Machining and sealing the prop shaft for optimal performance.
- Replacing a valve on the sail drive for better functionality.

5. ****Sea Trial****:

- Conducting a sea trial to ensure proper operation and no abnormalities.
- Verification of engine and sail drive performance at various RPM levels.

6. ****Acknowledgments****:

- Thanking the marina, engineering companies, and individuals involved in the replacement process.
- Appreciation for the support received during the sail drive replacement.

7. ****Conclusion and Future Plans****:

- Successful completion of the sail drive replacement and readiness to circumnavigate New Zealand.
- Preparations made for the journey into the challenging conditions of the Roaring 40s.
- Encouragement for viewers to subscribe and follow the upcoming sailing adventures.