

Suzuki DF250 Engine Survey Report

The engines are in very good condition. They have low hours, are properly maintained, have no outstanding recalls/services bulletins (see attachment) and need no immediate mechanical repairs.

Both engine were sea-trialed at different RPMs and diagnosed with the Suzuki software (see attachment). Cylinder temperature at mid-range is 146 degrees and 155 degrees at high rpm range. Both engine covers were removed after a high rpm run. No hot spots were detected with an infrared gun. The cooling system is operating well, no salt build-up and had been serviced well recently. Also, the fuel hoses and pumps are all sealed, no sign of the engine hoses hardening and/or cracking. The engines showed no sign of hesitation or misfire during the sea-trial.

Spark plugs were later removed on both engines and compared. All twelve spark plugs showed consistency in how they burned. A tan porcelain center indicates a good combustion (see attachment). Also, both engines have a regulated charging system producing 14.0 volts at high rpm. Above 15.0 volts is harmful for the electronic units on the engine. During the sea-trial, there was no sign of engine vibrating beyond normal. The engines sounded smooth while accelerating and quiet at idle. The engines performed well during the seatrial.

On the trailer, closer visual and tests were performed. Cylinder compression test was performed. Port engine has a 2 PSI difference between cylinders and the average compression is 179 PSI. The starboard engine cylinder difference is 3 PSI and the average compression is 180 PSI. The importance of this test is the difference between cylinders. The engine specification as per the service manual allows up to 14 PSI difference between cylinders. Engine wear is very even between cylinders and engines. It is apparent that the cylinders have not suffered any scoring. Corrosion is at a minimum for these 2005 engines.

All electrical units have no salt build-up and are making good contact. Attention needs to be given to the clutch lever assembly on the port engine, (see attachment) in order to remove corrosion. The engine covers need adjustment and/or replacing the grommets for a better seal. Until you fix this problem, always remember not to stop too suddenly. On the midsection, the trim and tilt hydraulic units are in very good condition (see attachment). The seals are not hardened, the electrical motor has no corrosion, and the stainless steel shafts are not pitted.

Also, the steering cylinders are in good condition; the seals, housings, and the stainless steel shafts were checked. On the steering system, corrosion was detected on an elbow (see attachment). Please monitor this corrosion to prevent vibration in the steering in the near future. Replacement of the washer and nut will remove the corrosion. The lower units engages well into gear. They were tested to see if they skip in gear. They are properly adjusted. The housing has no

cracks and/or impacts. Only the propeller shaft seals were inspected (see attachment). All lower units have a total of three seals per unit. In order to confirm that the lower units are sealed, the oil needed to be replaced. A visual needed to take place for any water intrusion in the oil. Owner declined this request.

The general appearances of these units are in very good condition. Also, the stainless steel propellers have no nicks or corrosion (see attachment).

It is apparent this boat has been kept above water while not in use.

Please contact me if you need any further assistance.

Happy Boating,
J. Alberto
JA Outboard Service, Inc.

Master Inquiry

Prefix Serial #

Motor Information

Control No 502309521 Color BLACK
 Serial No 510158 Status Expired
 Model No DF250TXZK5 Report Date Feb 16, 2005
 Emissions ALL Plate No 25001Z -510158
 Selling Dealership

Owner Information

Owner
 Name FOWLER, LESLIE & FOWLER, SAMUEL
 303
 Address BUTTONWOOD LANE City LARGO
 Phone State FL
 Zip 33770
 E-Mail

Warranty Information

	Hours	Sold Date	Expiration Date	Contract Number
Warranty 0 SEP 0		Dec 27, 2004	Dec 27, 2007	

Co-Owner

Name SAMUEL FOWLER
 303 BUTTONWOOD
 Address LANE City LARGO
 State FL
 Zip 33770

Claims History

Service Bulletin

Status	Fail Part Number	Description	Complaint-Defect Code	Operation Code	Repair Date	Mileage	Service Dealer
Paid	99103-94420-250	DF250 ENG COVER	99-79	JA9999	10/19/2006	50	TIERRA VERDE MARINE CNTR
Paid	99103-94419	DF V6 ECM/3 UNIT Campaign No: 5034 Already Performed	99-FD	*****	07/06/2006	45	TRAVIS BOATING CENTER
Paid	99103-94416	DF ECM/2 Campaign No: 5033 Already Performed	99-FC	*****	02/14/2006	100	TRAVIS BOATING CENTER

Updated computer - Recall

Note: ALL Recalls/Service bulletins met as of 05/27/2010.