

Model	Model Code	Model Type
BF175AK2	BAJJ,BAKJ	
BF200AK2	BAEJ,BAFJ	
BF225AK2	BAGJ,BAHJ	
BF250A	BBJJ	

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History

Final

25/Jan/2013

Related QIC Report Number(s)

6AH2012048-00

Broken Propeller Shaft

Symptom

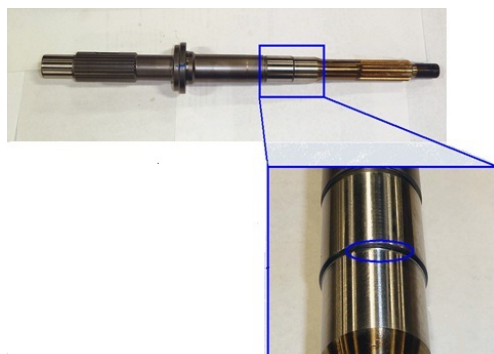
While driving the boat the engine lost forward thrust and the engine speed quickly went to the rev limiter. Propeller shaft was fractured.



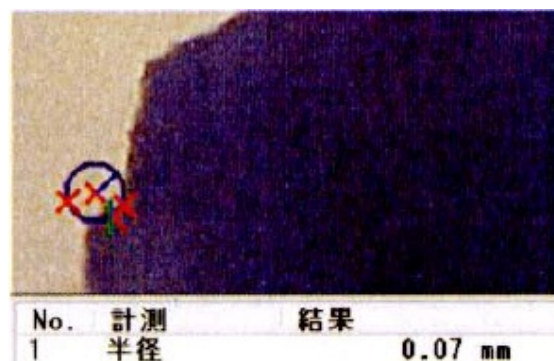
Causes

There are two major cause.

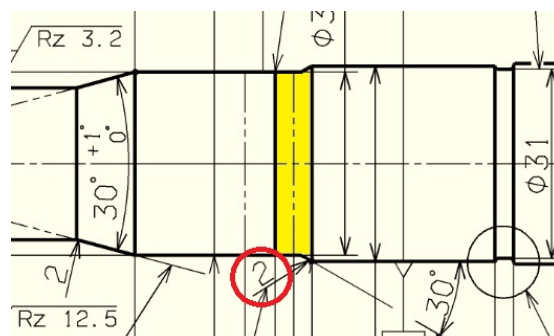
1. Propeller shaft concentrate stress during operation due to propeller shaft radius section was not polishing properly.



Claim propeller shaft radius section is 0.07mm



Drawing specification is 2.0mm





2. Customer used Texas flat boat which is specially developed for very shallow water level. During Operation cyclic loading applied to propeller shaft from the propeller due to propeller was not fully submerged.

Texas flat boat image



Countermeasure

Supplier change grind stone shape at propeller shaft polishing process for maintain proper radius section on shaft.

Application on Production Line

Applied Date	Dest.	VIN	COMMENT
10/Dec/2012		BAJJ-1400084	BF175AK2
10/Dec/2012		BAEJ-1700187	BF200AK2
10/Dec/2012		BAGJ-1700650	BF225AK2
10/Dec/2012		BAHJ-1700261	BF225AK2
11/Dec/2012		BBJJ-1001612	BF250A
11/Dec/2012		BBJJ-8000465	BF250A

Market Treatment

Fix as failed.

Repair Method

Replace propeller shaft. Please refer shop manual replacement procedure.

Parts Information

Model	Parts number	Description
BF175, BF200, BF225 A6-AK2	41161-ZY3-A00	PROPELLER SHAFT
	41161-ZY3-B00	PROPELLER SHAFT(CR)
BF250A	41161-ZX2-C00	PROPELLER SHAFT
	41161-ZX2-E00	PROPELLER SHAFT(CR)

*C/M Parts number is not changed from failed parts number.

Warranty Application

Warranty Applications: Ordinary
Claim Type: 000 Standard Warranty
Symptom Code: 01800

L.O.N	Description	FRT
2131K1	Propeller shaft	1.5

Main causal parts number:

BF250

41161-ZX2-C00 or 41161-ZX2-E00(CR)

BF175,BF200,BF225

41161-ZY3-A00 or 41161-ZY3-B00(CR)

Note:In case of similar symptom occur due to outboard was modified, warranty is not applicable.

Distribution Level

Distributor only

Distributor Code(s)

101, 120, 130, 25F, 302, 33N, 34M, 350, 374, 378, 404, 504, 507, 508, 511, 522, 530, 53S, 550, 557, 564, 577, 62A, 741, 771