YAMAHA MEASURE REPORT

NOTE: This information is only for YAMAHA IMPORTER'S use.

REF. No. MC-88049

		3	
		2	
		1	
	11/29/'88		N. KANEKO

MODEL	TDR240/250, TZR250	FILE	
SUBJECT	PISTON MELTING AT CROWN		

www.legends-yamaha-enduros.com

This bulletin is issued to advice you of recommendial idea concerning captioned problem.

1. SUMMARY OF PROBLEM

French market information indicate many above mentioned model encountered piston melting problem with usage of high load and high speed continuous operation.

2. CAUSE

The piston melting is mainly caused by pre-ignition.

Per-ignition takes place :

(1) at the spark plug electrode

and

(2) from other soucees.

As for (1), this is likely to occur becaues of a faulty ignition system. It means insurficient ignition timing. (Too much advanced)

The followings gives an explanation of (2).

As far as the present technology is concerned, engine performance and pre-ignition are directly connected with each other, and one cannot be discussed without the other. One of the prominent problems with the current TDR240/250, TZR250 engine may be reduced heat resistance of the spark plug due to its detterioration. The engine fitted BR9ES type is supposed to be at its maximum as is, and in actuality the settings are made to be limit. Under the circumstance, heat resistance of this spark plug cannot be decreased without scrifying the engine perfomance.

3. REMEDIAL IDEA

Please inform your dealers of following recommendations.

To prevent operation of units in question with reduced heat resistance spark plug, YMC would recommend that the spark plug be replaced with a new one early enough, at 3,000kms at its earlist. Also YMC would recommend some fast riders a BR10EV type or BR10ES type. The BR10EV type spark plug is advantageous to The BR10ES type concerning wet plug failure at low speed operation.

YAMAHA MEASURE REPORT

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REF. No. MC-88062

	3	
	2	
	1	
12/16/'88		N. KANEKO

MODEL	TZR250 '87, '88	FILE	
SUBJECT	PISTON SEIZURE		

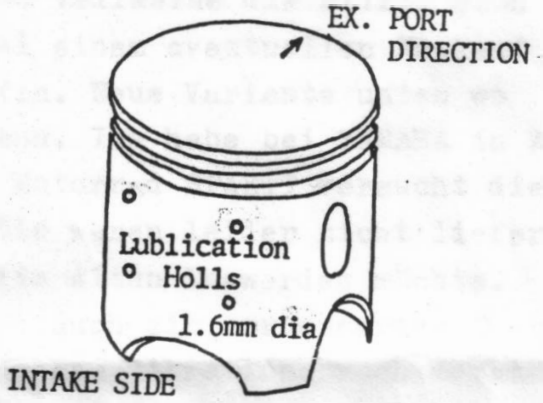
www.legends-yamaha-enduros.com

1. SUMMARY OF PROBLEM

Market report indicate knocking engine noise and piston seizure.

2. CAUSE

At the early breake-in of an units, some units may be experienced scaffing between piston and cylinder wall insurficient lublication. Then scaffing caused to piston seizure.



3. FACTORY REMEDY

To prevent scaffing at early breake-in, we are going to change the piston desigen as similure with 2YK type (TDR250) as a next model. The 2YK type piston has four location of lublication hoils at intake side as shoun in the left. These holls will provide greator lublication effect between piston and cylinder wall comparison with present ones.

4. APPLICABLE RANGE

Above mentioned factiory remedy wiil employed with begining of '89 model production. This remedy will be employed with remedy of piston ring reffer to measure report MC-88063.

5. FIELD REMEDY

If you encounter a smilure problem, please recommend your dealer to use following part instead of STD ones. Recommended piston is as same as TDR250 model's one.

alte Variante / Lieferbar — neue Variante

	PART NAME	STD	RECOMMENDED
Normalmaß	PISTON STD	~~1KT~~ 1RH-11631-01-35	2YK-11631-01-35
1. Übermaß	PISTON 1ST O/S	1KT-11635-01	2YK-11635-01
2. Übermaß	PISTON 2ND O/S	1KT-11636-01	2YK-11636-01

– nicht Lieferbar zurzeit

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REF. No. MC-88063

	3		
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12/17/'88		N. KANEKO	

MODEL	TZR250 '87, '88	FILE	
SUBJECT	PISTON RING BREAKAGE		

www.legends-yamaha-enduros.com

This bulletin is issued as a interim measure report for captioned matter.

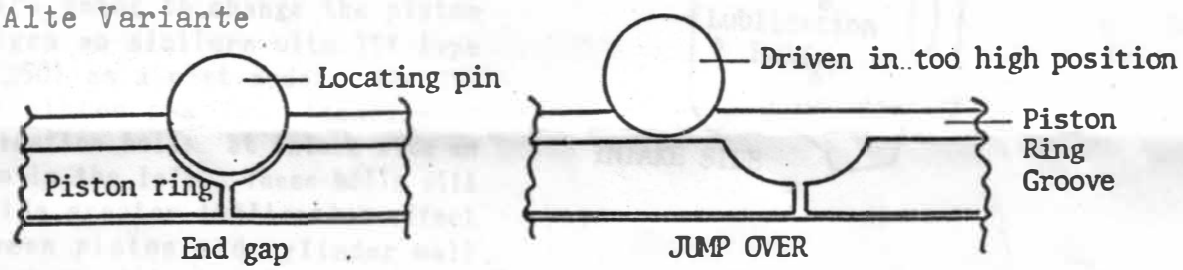
1. SUMMARY OF PROBLEM

Market report indicates that the a piston ring is broken catching with cylinder port.

2. CAUSE

The piston ring located pin may be experienced driving into piston ring groove with insurficient dimension accuracy in some units (drivig upward comparison with specified location) . And also locating pin can be worn. These matter may cause that piston ring end gap can jump over the locating pin and then end gap will catch with cylinder ports. See below.

Alte Variante



3. REMEDY

To prevent jumping over, locating method of piston ring will be changed to YZ type as shown in below. Now we are investigating this remedy to employ with next model.

neue Variante