APPROVED

ROTAX MOJO MAX Challenge

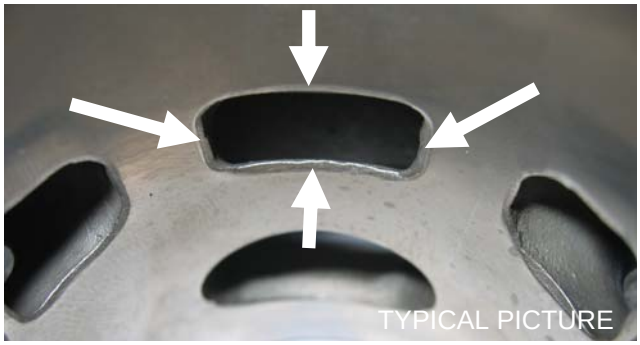
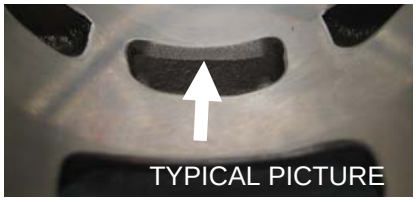
Regulations 2009

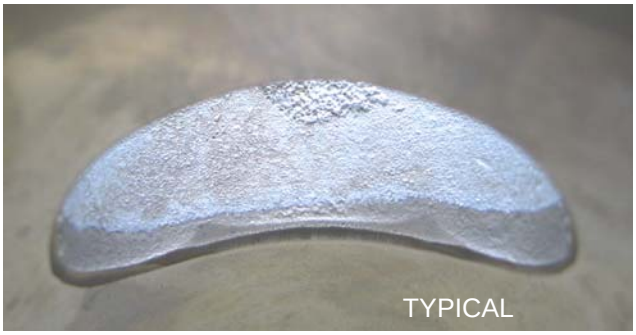
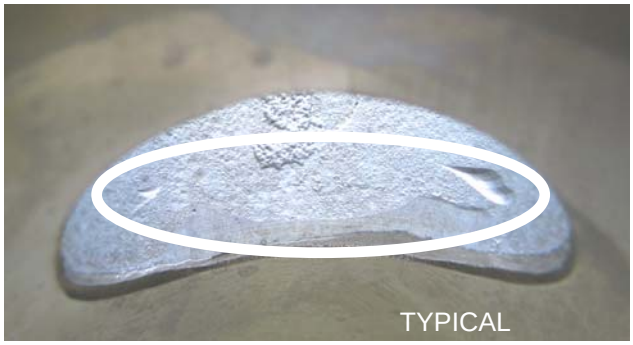
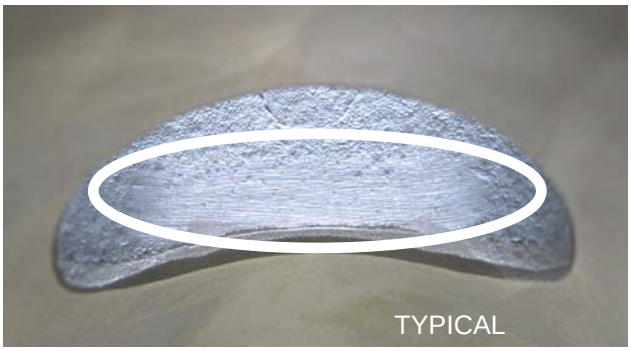
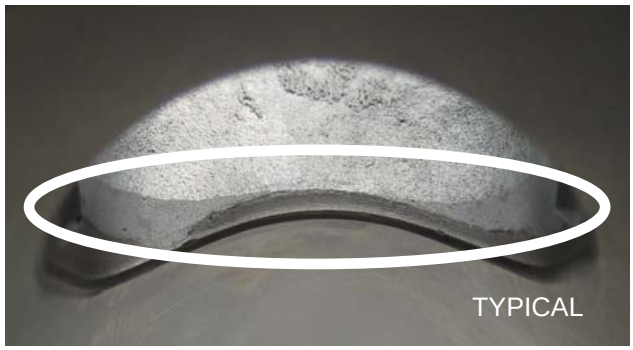
Bulletin 1_ 02.02.2009 (changes underlined)
Revsion 1: 03.02.2009 (page 7)

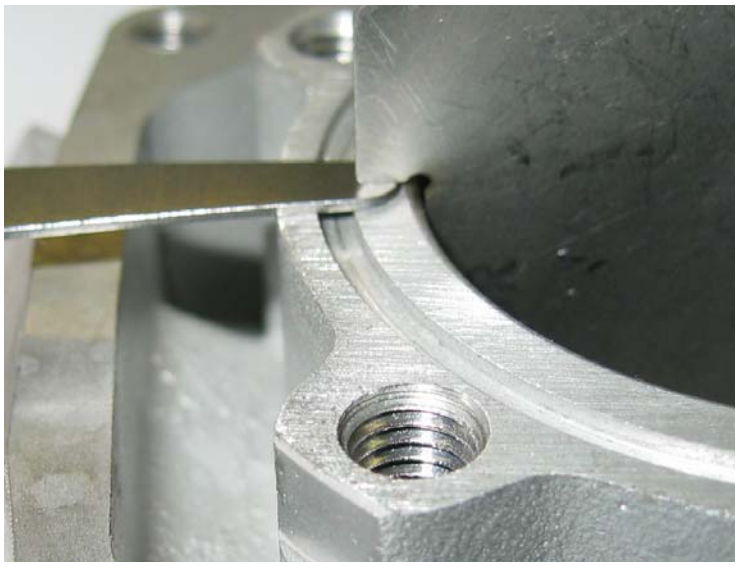
TECHNICAL REGULATIONS

125 MAX / JUNIOR MAX

Cylinder	5.5.1	**125 Junior MAX** Cylinder without pneumatic timed exhaust valve. Cylinder has to be marked either with identification code 223 999, 223 998 or 223 994   

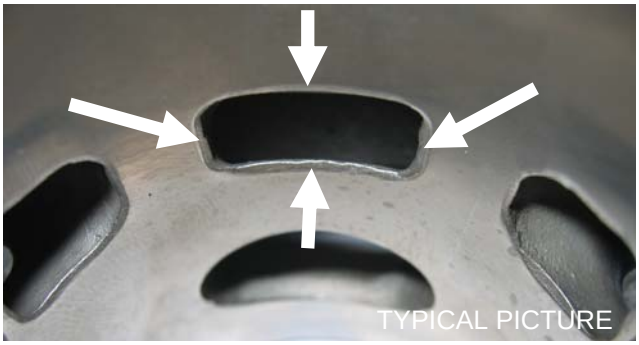
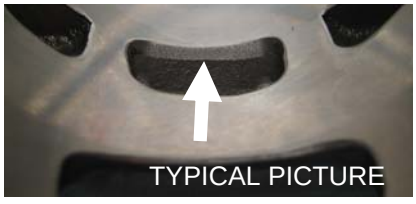
	5.5.2	**125 MAX** Cylinder with pneumatic timed exhaust valve. Cylinder has to be marked either identification code 223 997, 223 996 or 223 993   
	5.7.2	All ports have chamfered edges. Any additional machining is not permitted.  On cylinders marked 223 993 and 223 994 CNC machining at the upper edge of the central boost port is allowed. 

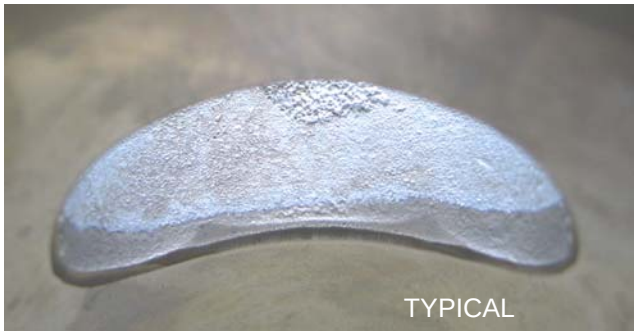
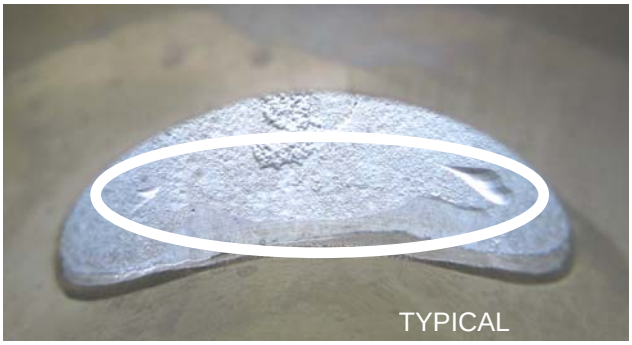
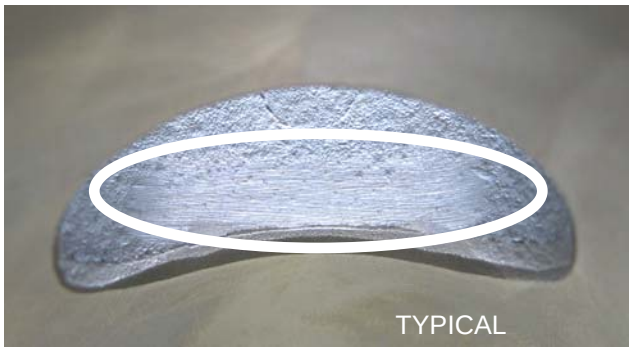
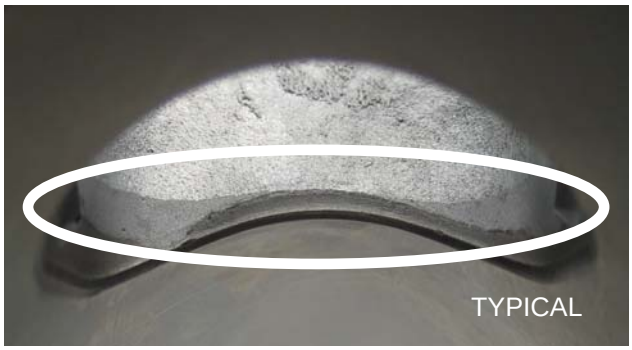
	5.7.4	The top edge of the exhaust port may show either just a cast finish surface…  or signs of a CNC machining …  or signs of CNC machining in combination with signs of manual grinding.  The exhaust port may show partial manual grinding done by the manufacturer to eliminate minor casting defects and to eliminate the NIKASIL burr at the end of the NIKASIL plating <u>At cylinders 223 993 and 223 994 exhaust port may show machining all around</u> 

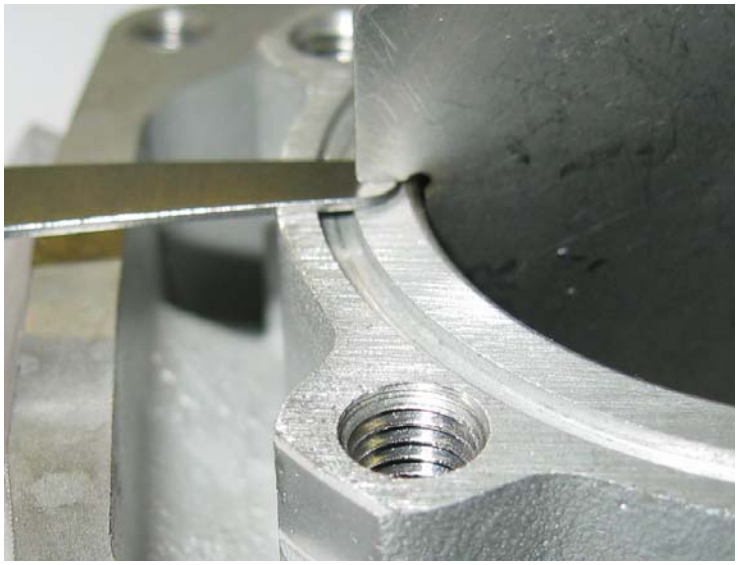
	5.8	**Exhaust port timing** The "exhaust port timing" (distance from the top of the cylinder to the top of the exhaust port) has to be checked by means of the template (ROTAX part no. 277 397). Insert the template into the cylinder, that the template is touching the cylinder wall and that the finger of the template is located in the middle of the exhaust port (highest point). Move the template upwards, until the finger is touching the top edge of the exhaust port. Insert a filler gauge between the top of the cylinder and the template. It may not be possible to fit the feeler gauge specified below. **125 Junior MAX: 0,90 mm** **125 MAX: 0,75 mm** At cylinders 223 993 (125 MAX) it is legal if the template doesn´t fit in at all. NOTE: Take care to use the corresponding gauge (JUN or MAX) of the template for the respective cylinder! 

TECHNICAL REGULATIONS

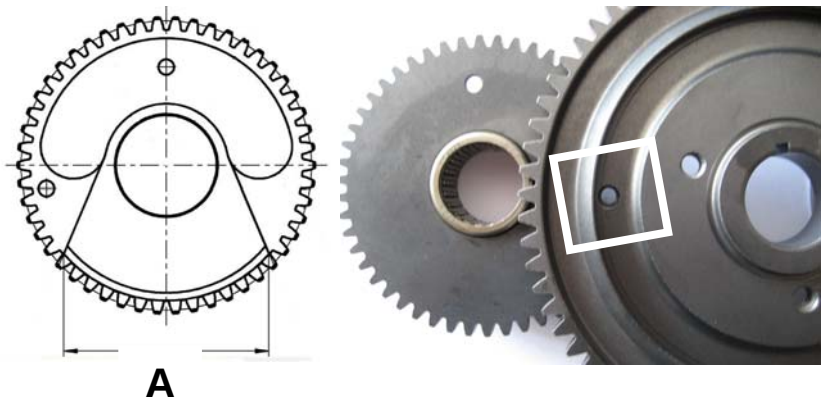
125 MAX DD2

Cylinder	5..5	**125 MAX DD2** Cylinder without pneumatic timed exhaust valve. Cylinder has to be marked either with identification code 613 930, 613 931 or 613 933   
Cylinder	5.7.2	All ports have chamfered edges. Any additional machining is not permitted.  On cylinders marked 613 933 CNC machining at the upper edge of the central boost port is allowed. 

Cylinder	5.7.4	The top edge of the exhaust port may show either just a cast finish surface…  or signs of a CNC machining …  or signs of CNC machining in combination with signs of manual grinding.  The exhaust port may show partial manual grinding done by the manufacturer to eliminate minor casting defects and to eliminate the NIKASIL burr at the end of the NIKASIL plating <u>At cylinders 613 933 exhaust port may show machining all around</u> 

Revision 1 : 03.02.2009 was 0,90 mm	5.8	Exhaust port timing The "exhaust port timing" (distance from the top of the cylinder to the top of the exhaust port) has to be checked by means of the template (ROTAX part no. 277 397). Insert the template into the cylinder, that the template is touching the cylinder wall and that the finger of the template is located in the middle of the exhaust port (highest point). Move the template upwards, until the finger is touching the top edge of the exhaust port. Insert a filler gauge between the top of the cylinder and the template. It may not be possible to fit the feeler gauge specified below. 125 MAX DD2: 0,75 mm At cylinders 613 933 it is legal if the template doesn´t fit in at all. NOTE: Take care to use the corresponding gauge (JUN or MAX) of the template for the respective cylinder! 

Ignition system	10.4	Connector housing of ignition coil must have either white or grey colour. There is also a legal version with number see below picture) 

Balance drive	12.3	New version 
	12.4	Fly weight of balance gear can show machined surface (new version only). Dimension A (widest part of balance weight) must be either 53 mm +/- 0,5 or 55 mm +/- 0,5