MEASUREMENT RECORD

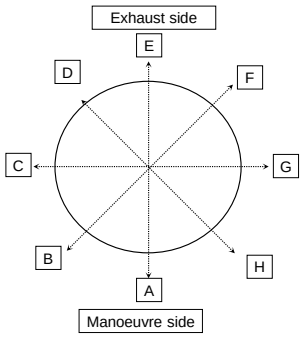
Inspection and Repair report Piston

Vessel / Hull no.:	Recon Crown No 1. KS		Engine type:	Wichmann	
Owner / Yard:			Engine serial no.:		
Service Engineer:			Return goods no.(H -no.):		
Piston operating hours:		Part no.:	Drwg. No.:	Date:	27-maj-14

Visual inspection:	Piston Skirt:	OK☐	Repairable: ☐	Scrap: ☐	Remarks
	Piston Top:	OK☑	Repairable: ☐	Scrap: ☐	
MPI / Crack test:	Piston Skirt:	OK☐	Repairable: ☐	Scrap: ☐	
	Piston Top:	OK☑	Repairable: ☐	Scrap: ☐	

Measurements of ring grooves and gap between Skirt and Crown

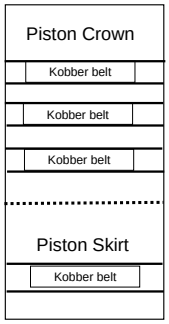
Meas. Pos.	Top ring	Ring no. 2	Ring no. 3	Ring no. 4	Gap	Ring no. 5	Ring no. 6	Ring no. 7	Ring no. 8
A:	8,24	8,21	8,21	8,22					
B:	8,22	8,23	8,22	8,22					
C:	8,22	8,22	8,22	8,21					
D:	8,19	8,24	8,21	8,22					
E:	8,17	8,21	8,22	8,24					
F:	8,21	8,21	8,21	8,22					
G:	8,19	8,27	8,22	8,23					
H:	8,26	8,21	8,22	8,22					



The piston must be cleaned properly before controls and measuring.

When dismantling and assembling, please refer to engine manufactor procedures.

For Nominal values, Allowable values and Tolerances, please refer to the engine Service Manual or the part and drawing no. for the piston involved.
Ring groove MAX 8,45 mm.
GAB New 0,07 mm
All measurements in mm.



The piston is scraped when diameter of piston skirt and crown exceedes the diameter of the kobber belt

Measurement of kobber belt				
	E	G	A	C
Belt 1:				
Belt 2:				
Belt 3:				
Belt 4:				

Conclusions after measuring

Piston skirt:	OK☐	Repairable☐	Scrap☐
Piston Top:	OK☑	Repairable☐	Scrap☐
Ring Groove	OK☑	Repairable☐	Scrap☐

Gudgeon Pin Bore

	Left	Right
Horizontal:		
Vertical:		
Surface:	OK: ☐	OK: ☑
	Repairable☐	Repairable: ☐

Machining of Crown & Skirt surface

	Crown	Skirt
MM.	41,05	

Remarks

Piston Crown machined inside

Numbers stamped on piston crown: 3AX-1205-HS1