

	<b>Refurbishment Report Warranty Certificate</b>	Document no.: NIII 7.5.1-12	
		Date: 2013-10-10	
		Respon. OG	Approved PR

Repair No.:	130817
Manufacture:	Jahnel Kestermann
Type:	PSC 1001-48/50 Hz.
Serial No:	37.98.3813.04.01/37.03.8488.01
Costumer:	WTG Energias

**Refurbishment includes:**

Gearbox completely disassembled.  
Gear housing and all parts cleaned.  
All bearing seats examined and measured. All bearing seats were within the tolerances.  
HS-stage has been replaced with ratio i:67.318  
All toothing examined and fine grinded. No damages were found on the toothing.  
All 3 planet wheel shafts were exchanged.  
All bolts, packing surfaces and threads cleaned.  
All bearings and gaskets were exchanged.  
Front bearing for HSS, both bearings for HSIMS and all bearings in the planet wheels are secured with Loctite.  
The gearbox is upgraded with internal pressure lubrication system.  
The gearbox was assembled in accordance the gear manufactures specifications.  
There were mounted ball valves for offline filter and oil level sensor.  
The gearbox was filled with 100 litre Mobilgear SHC XMP 320 gear oil.  
Test run was performed unloaded at nominal revolutions for 4.5 hours, with simultaneous filtering of the oil.  
After test the temperature at the HSS was measured to 49 °C and the axial clearance at HSS was measured to 0.40 mm.  
The gearbox was painted and rust protected in all joins.  
Lubrication info and warranty conditions were attached to the gearbox.

Above mentioned item is refurbished in accordance to the procedures and instructions given in DMP Mølleservice' quality management system and under the manufacturer's specifications.  
All work is done with the utmost craftsmanship care.

<u>Gear Team 04 / Dennis og Knud</u> <small>Gear Team and Names</small>	Date: <u>31-08-2014</u>
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There is 2 years of warranty, in accordance with DMP Mølleservice' sales and delivery terms and conditions.

 Workshop Management	 Director of Sales	Date: <u>31-08-2014</u>
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