

# Statement of Compliance



GL Renewables Statement No. **DAA-GL-027-2012**

This Statement of Compliance for the A-Design Assessment of the Shrink Disc Coupling

## **COMPOMAC CONEX-SA720x1065** applicable for Suzlon S88/S9x Wind Turbines

is issued to

**COMPOMAC S.p.A**  
**Via Angelelli 18/B**  
**40013 Castelmaggiore**  
**Italia**

This statement attests compliance with the normative references stated below concerning the design. The A-Design Assessment is based on the calculations and fabrication drawings listed in the relevant Certification Reports referenced below and the technical specifications given in the attached Annex. Certification Report numbers and titles:

74609                      30.05.2012                      Machinery Component Compomac Shrink Disc

Normative references:                      "Guideline for the Certification of Wind Turbines",  
Germanischer Lloyd, Edition 2010

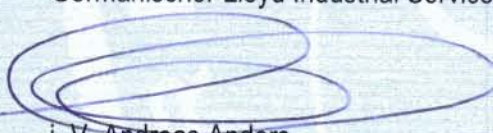
GL Wind-Technical Note 067, "Certification of Wind Turbines for Extreme Temperature (here: Cold Climate)", Revision 4


IEC 61400-1, Third Edition, "Wind Turbines - part 1: Design Requirements", dated August 2005.

Changes in design are to be approved by Germanischer Lloyd, otherwise this statement loses its validity.

Hamburg, 31<sup>st</sup> May 2012  
StSca/MTr

Germanischer Lloyd Industrial Services GmbH *StSca*

  
i. V. Andreas Anders

  
i. V. Axel Dombrowski

By DAkKS according DIN EN 45011 / IEC/ISO Guide 65  
accredited Certification Body for products  
The accreditation is valid for the fields of certification  
listed in the certificate



Germanischer Lloyd Industrial Services GmbH  
Renewables Certification  
Brooktorkai 18  
20457 Hamburg, Germany

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Annex

31<sup>st</sup> May 2012

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Technical specifications for COMPOMAC CONEX-SA720x1065 Shrink Disc:

<b>Main data</b>	Type	Conical Shrink Disc tensioned by Bolts
	Weight	1013 kg
	Material	42CrMo4
	Corrosion Protection Class	C4-M acc. ISO 12944
	Maximum transmittable Torque	3625 kNm
	Maximum transmittable Bending Moment	1915 kNm
	Temperature range (cold climate)	-30 - + 40°C (operating temperature) -40 - + 50°C (survival temperature)

## Data of coupled Components

### Hollow Shaft (Planetary Carrier)

Material	EN-GJS700-2U
Outer Diameter	720 mm f7
Inner Diameter	570 mm H7

### Main Shaft

Material	42CrMo4
Outer Diameter	570 mm g6

End of Annex *STSc*