

## PRESS RELEASE

It is our pleasure to announce the following good news from SPW GmbH regarding Feathering propellers for sailing yachts.

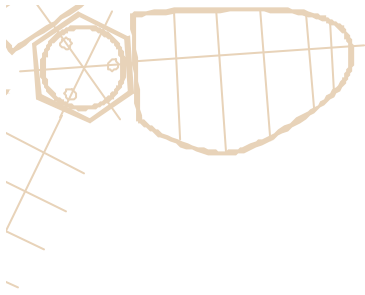


### **1. SERIES TYPE APPROVAL OF THE VARIPROP FEATHERING PROPELLERS FROM THE RENOWNED CERTIFICATION INSTITUTE „GERMANISCHER LLOYD”**

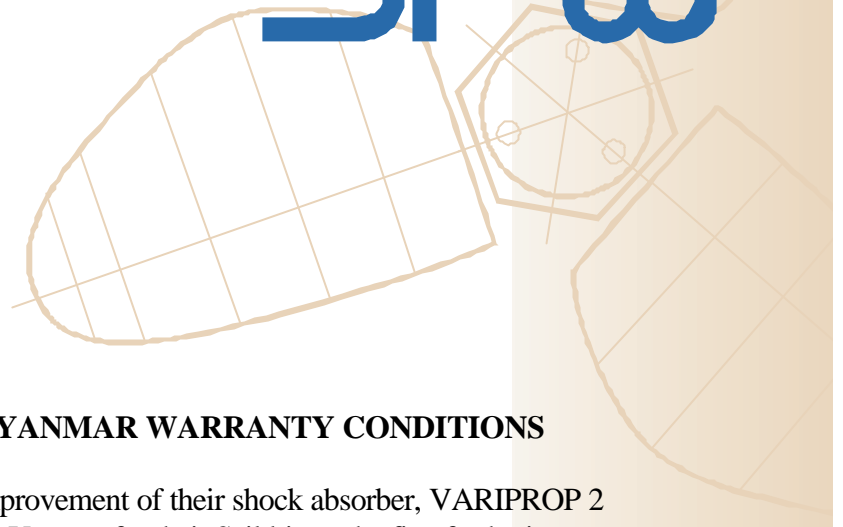
In October 2006 the complete series of all VARIPROP feathering propellers including the VARIPROP XLS were approved by “GERMANISCHER LLOYD”. So far, no other feathering propeller maker has obtained such certificate to a complete series. This certificate from an independent testing organization confirms the consistent quality of all VARIPROP and guarantees their reliable operation. It attests that all mechanical elements of the product are designed to high performance specifications.

As basis for the approval, GL scrutinized all construction drawings of the VARIPROP series DF 80 to DF 140, as well as the XLS series DF 160 to DF 310. Further checks included the material composition of all components, strength of gears, thickness of blades, taper fit on the shaft, shaft nut fastening security, design and construction of bearings and bearing surfaces, the “Soft-Stop” breaking system and the pitch adjustment unit, as well as the final dynamic balancing of the finished product. VARIPROP passed all of the exacting GL criteria and consequently obtained this first series approval certificate.

VARIPROP feathering propellers are available in 2,3 and 4 blade configuration. All have external independent pitch adjustment for forward and reverse as well as a patented “Soft-Stop” shock absorber system. VARIPROP is supplied for engines from 5 to 400 KW and diameter from 12”to 50”.



# SPW



## 2. VARIPROP CONFORMS TO YANMAR WARRANTY CONDITIONS

In 2005, thanks to continued design improvement of their shock absorber, VARIPROP 2 and 3 blade were officially approved by Yanmar for their Saildrives, the first feathering propeller worldwide. This year, also the 4-blade VARIPROP was added.

*Eleonora*

- 2006 Series approval for VARIPROP by GERMANISCHER LLOYD, another world's first.
- 2005 Production start of parts for AIRBUS aircraft
- 2005 First feathering propeller worldwide approved for YANMAR sail-drive
- 2004 Introduction of world's first and only 4-blade feathering propeller
- 2003 Introduction of the 4-blade folding VARIFOLD propeller
- 2002 First prize Innovation Competition at the Paris Boat Show Salon Nautique
- 1988 Integration of "Soft - Stop" shock absorber system in all VARIPROP series
- 1984 First feathering propeller with externally adjustable pitch

**The 160" S/Y ELEONORA is equipped with a VARIPROP 2.5**  
1st Place Saint-Tropez, 1st Place Antigua Classic weeks  
www.variprop.de +49 471 77047

**SPW GmbH**  
SAIL PROPELLER- UND WELLENBAU

These two certificates confirm the consistent strategy of SPW GmbH, whose capable team always incorporates the latest technology in their design improvements. We are proud to be a leader in technical innovations for the design and construction of ships propellers.



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