



The present Technical Bulletin contains technical information aimed to support/improve Navalimpianti Tecnimpianti equipment in operation.

This Technical Bulletin applies to: Navalimpianti Tecnimpianti Telescopic davits Type SPTD with hydraulic stored power system



Technical Bulletin Nr. 005-13

TECHNICAL BULLETIN

### **Technical Bulletin Nr. 005-13**

The present technical bulletin contains technical information aimed to support/improve Navalimpianti-Tecnimpianti equipment in operation.

#### **This Technical Bulletin applies to:**

Navalimpianti-Tecnimpianti telescopic davits Type SPTD with hydraulic stored power system.

#### **Description:**

Navalimpianti-Tecnimpianti telescopic davits Type SPTD adopt nitrogen accumulators with fabric pre-charged reserve of energy adequate to launch the survival craft in fully loaded and equipped condition, in the trim and list condition requested by rules, even when the ship power supply is not available.

As a world leader for launching appliances and marine equipments, we monitor the performance of our equipments in operation in order to improve the service provided to our valued customers and to assist them in maintaining the safe and reliable long-term operation of our equipments.

Should an hydraulic stored power work under the designed pressure settings, the above reserve of energy could not be enough to launch the survival craft in the above emergency condition.

Fabric calibrated pressure switches provide alarms to the automation system that constantly monitor the condition of the hydraulic stored power system, and pressure gauges are also provided for periodic visual checks by the ship's crew and service personnel.

Being the pressure dependant on temperature, pressure readings will reduce with cold.

Anyway, working condition of the hydraulic stored power system are ensured when nitrogen and oil pressure gauges readings are (\*):

- Nitrogen pressure: Min. 185 bar (tolerance  $\pm$  5bar)
- Oil pressure: Min. 195 bar (tolerance  $\pm$  5bar)

(\*) NOTE: readings with lifeboat secured in stowed position, HPP in stand-by and no alarms present in the automation panel.

If nitrogen pressure is found under the above working conditions, pre-charge shall be re-established and possible leakages detected.

### Recommendations

1. Visual check pressure gauges weekly
2. Visual check pressure gauges anytime the ship moves to colder areas
3. Re-establish the nitrogen pre-charge if found under the above readings
4. File this bulletin within your Operating and Maintenance Manual
5. Periodic inspections, service and repairs shall be performed by Navalimpianti-Tecnimpianti qualified technicians.
6. Use only Navalimpianti-Tecnimpianti original spare parts, and record any spare part replacement into the log book
7. Always involve Navalimpianti-Tecnimpianti for modifications and retrofittings so to allow safety, compliance, traceability and life cycle support.

Should you require more information or assistance on your Navalimpianti-Tecnimpianti equipment please refer to your nearest/preferred Navalimpianti-Tecnimpianti service center.

## NAVALIMPIANTI - TECNIMPIANTI GROUP

### NAVALIMPIANTI GROUP

Head Office  
Salita Guardia, 60A  
16014 Ceranesi (GE) Italy  
Ph +39 01072371  
Fax +39 010710173  
navim@navim.com

Branch Office  
Via Terza Armata, 18  
34074 Monfalcone (GO) Italy  
Ph +39 0481490111  
Fax +39 0481410659  
navimmo@navim.com

Branch Office  
Via dei Pescatori Z.I. Porto  
16129 Genova Italy  
Ph +39 0102461013 +39 0102461113  
Fax +39 0102471030  
navimge@navim.com

### NAVALIMPIANTI - USA INCORPORATED

NAVALIMPIANTI USA, Inc.  
900 NW 10th AVE  
Fort Lauderdale, FL 33311 USA  
Ph +1 9545857041  
Fax +1 9545857042  
navimusa@navim.com

### NAVALIMPIANTI NORGE

NAVALIMPIANTI NORGE AS  
Vingveien, 1 - 40450  
Sola (Stavanger) - Norway  
Phone: +47 516 50959  
Fax: +47 516 57605  
info@navim.no

### NAVALIMPIANTI PULA

NAVALIMPIANTI PULA  
Mletacka, 12 - 52100 Pula Hrvatska  
Ph +385 52216590  
Fax +385 52216590  
navimpula@navim.com

### NAVALIMPIANTI EMIRATES

NAVALIMPIANTI EMIRATES  
c/o TILE MARINE LLC  
Al Jadaf Ship Docking Yard Dubai  
Room 130 - DUBAI UAE  
Phone +971 4 3242820  
Fax +971 4 3242823  
navimemirates@navim.com

### TECNIMPIANTI

TECNIMPIANTI SpA  
Zona Industriale  
Str. Consortile Fiume Torto  
90018 Termini Imerese (PA) Italy  
Ph +39 0918140283  
Fax +39 0918140325  
info@tecnimpiantispa.com

### TECNIMPIANTI LIVORNO

TECNIMPIANTI S.p.A.  
Via Edda Fagni 45  
57126 Livorno (LI) Italy  
Phone +39 0586954086  
Fax +39 0586953736  
livorno@tcimp.com

### TECNIMPIANTI ANTWERP

TECNIMPIANTI ANTWERP  
Oud Arenberg 84  
9130 Kieldrecht Belgium  
Phone +32 35680127  
Fax +32 32531139  
ma@tecnimpiantiantwerp.com

### NAVALIMPIANTI CHINA

NAVALIMPIANTI CHINA  
Unit 1101 A Xin Cheng Mansion  
No 167 Jiang Ning Rd.  
200041 Shanghai P.R. China  
Ph. +86 2162587116  
Fax +86 2162587169  
navimchina@navim.com

### NAVALIMPIANTI SINGAPORE

NAVALIMPIANTI SINGAPORE  
Service Centre  
50 Tuas Avenue 11  
#02 - 19 Tua Lot  
Singapore 639107  
Phone +65 66598997  
Fax +65 66598870  
navimsingapore@navim.com



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