

NAVSEA  
STANDARD ITEM

FY-21

ITEM NO: 009-91  
DATE: 01 OCT 2017  
CATEGORY: II

1. SCOPE:

1.1 Title: Propeller In-Place Inspection; accomplish

2. REFERENCES:

2.1 S9086-HP-STM-010/CH-245, Propellers and Propulsors

3. REQUIREMENTS:

(I) "VISUAL INSPECTION"

3.1 Clean and accomplish a visual inspection of each propeller and propeller cap in accordance with Section 3 of 2.1.

3.2 Record all inspection data taken in 3.1.

3.2.1 Submit one legible copy, in approved transferrable media, of completed Propeller Visual Technical Inspection Report Forms, NAVSEA 9245/3, listing results of the visual inspection and a sketch showing the size and location of any cracks or defects to the SUPERVISOR.

3.2.2 Cover the entire periphery of each propeller blade with metal edge guards and secure them with steel straps in accordance with 2.1.

3.3 Stake each screw and plug on the exterior of each propeller cap to prevent backing out.

(V) "INSPECT BLADE ALIGNMENT"

3.4 Inspect for the existence and accuracy of the word "BLADE" in line with each propeller blade on the coupling flange at the main reduction gears.

3.4.1 Stamp coupling hub with the word "BLADE" in line with each propeller blade. Stamping must be 1/8-inch to 1/4-inch lettering, low stress markings. Etching is prohibited.

3.5 Just prior to undocking, remove blade edge protection installed in 3.2.2.

(V) "INSPECT BLADE EDGE PROTECTION REMOVAL"

3.5.1 Inspect to ensure that blade edge protection has been removed.

4. NOTES:

4.1 Additional inspections or requirements will be specified in invoking Work Item.

4.2 NAVSEA Form 9245/3 is available on the Web at:

<http://www.dcma.mil/NPP/forms.aspx>