

MIL-C-17933C(SH)
AMENDMENT 1
18 January 1984

MILITARY SPECIFICATION

CRANE, ELECTRO-HYDRAULIC AND DIESEL-HYDRAULIC, SHIPBOARD

This amendment forms a part of Military Specification MIL-C-17933C(SH), dated 31 December 1980, and is approved for use by the Naval Sea Systems Command, Department of the Navy and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

At bottom of page, Beneficial comments statement, line 3: Delete "3112" and substitute "5523".

PAGE 4

2.2 Under "AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)": Delete "Seventh Edition".

PAGE 6

3.1.6, line 3: Delete "0.03" and substitute "0.30".

PAGE 7

3.1.9: Add: "Visual inspection shall be done on all welds regardless of other testing performed. Radiographic testing shall be done on at least 10 percent of all full-penetration welds in the primary load path and on 100 percent of critical full-penetration welds. Ultrasonic testing may be substituted for radiographic testing where radiographic testing is not feasible. Liquid penetrant or magnetic particle testing shall be done on at least 10 percent of all fillet welds in the primary load path and on 100 percent of critical fillet welds and totally enclosed or inaccessible welds (which cannot be checked later). Welds in 'primary load path' and 'critical welds' shall be identified on preliminary and final drawings. If there is more than one area which requires weld repair as a result of the inspection, the sample size shall be increased by another 10 percent. This procedure shall be continued until this condition is not exceeded. Minor defects, which can be mechanically removed without infringing on the design thickness, are not considered defects requiring weld repair."

PAGE 11

3.3.7, line 5: Delete "Seventh Edition,".

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PAGE 15

3.5.2.1: Delete and substitute:

"3.5.2.1 Load capability. Load capability of the gearing shall be computed and rated in accordance with AGMA standard practice, quality 6 or better gear tolerance, and service factor of 1.0 for hoisting and topping drives, 1.25 for rotation drive, and 1.5 for travel drive (type C and D cranes)."

3.5.2.2, line 4: Delete "10" and substitute "100".

PAGE 17

3.5.4.2.2(b): Add: "Handsets (in lieu of headsets) may be used on bases of type C and D cranes."

PAGE 21

3.5.6(b), line 1: After "switch", add "(green)".

3.5.6(c), line 4: After "switch", add "(green switch with red placard)."

PAGE 25

3.5.9.6, line 5: Delete "envelop" and substitute "envelope".

3.5.9.6, line 7: After "rollers", add "or hooks".

3.5.9.9: Delete and substitute:

"3.5.9.9 Provision shall be made to positively secure the crane and boom in the stowed position. Supports and other securing fittings shall be provided to withstand the forces due to the stowed condition as specified in 3.3.4.3. Stow brackets for hoist block(s) and hooks shall be provided. On type C and D cranes, wheel chocks or stowage pins shall be provided which restrain the base in the stow position and which permanently mount on the base. If stowage pins are used, the mating sockets shall be provided."

LAST PAGE

DD 1426, Standardization Document Improvement Proposal: Delete "(SEA 3112)" and substitute "(SEA 5523)".

Preparing activity:
Navy - SH
(Project 3950-N246)