UPDATED: 7 April 2004

BERTHING SPRINKLER SYSTEM (LHD ONLY) CHECK SHEET

FOR USS _____

DATE:_____

REF: (A) PMS 5221/022/023
(B) NSTM 555 V1
(C) GSO 521

	IAW	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT
COMPARTMENT NUMBER													
A. INSPECT 2-POSITION BERTHING SPRINKLING SYSTEM PIPING AND COMPONENTS:	5221/022												
1. Verify there is no leakage on the following components:	2W-1R												
A. Control piping leak off drain line?	2W-1R												
B. Seawater fire main supply cutout valve?	2W-1R												
C. Seawater supply strainer?	2W-1R												
D. Sprinkler control valve?	2W-1R												
E. Gage lines and isolation valves	2W-1R												
F. 2-position manual control valve?	2W-1R												
G. “FH” water circuit?	2W-1R												
H. Lock shield valve?	2W-1R												
2. Remove air test fitting. Verify there is no water present.	2W-1R												
3. Is the plastic or lead wire seal present on cover.	2W-1R												
4. Is the locking key and anti-tampering seal properly installed and intact on the manual control valve?	2W-1R												
5. Is there a minimum of 40 PSI firemain is present to activate system.	2W-1R												
6. Is the firemain gage in proper working order?	2W-1R												
7. Are there posted instructions/diagrams next to the sprinkler control valve?	GSO 521												
B. INSPECT DRY TYPE SPRINKLER HEADS:	5221/022												
1. Are the orifices free from dirt?	S-1R												
2. Is there any damage to the sprinkler heads, (broken arms or deflectors), if installed?	S-1R												
3. Are the sprinkler heads securely mounted?	S-1R												
4. Are the sprinkler heads free from paint?	S-4R												
C. INSPECT WATER SWITCH:	5221/022												
1. Ship’s with circuit key alarm panels:	S-2R												
a. Remove water switch:	S-2R												
b. Are there any cracks or carbonizing on the insulator?	S-2R												

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COMPARTMENT NUMBER													
c. Are all electrical connections tight?	S-2R												
d. Are there any cuts, tears or deformation to the gasket and o-ring?	S-2R												
2. Ship's with fire/smoke detection switchboards:	S-2R												
a. Remove water switch.	S-2R												
b. Verify circuit is de-energized?	S-2R												
D. TEST WATER SWITCH:	5221/022												
1. Test water switch IAW PMS:, note: there are different kinds of alarm panels and switches..	S-2R												
2. Did the alarm activate IAW PMS:	S-2R												
E. TEST 2-POSITION DRY TYPE SEAWATER SPRINKLER SYSTEM:	5221/022												
1. Is the test fitting gasket/o-ring free from deterioration?	S-3												
2. Did the handle locking pin engage when the manual control valve was placed in the open position?	S-3												
3. Did the sprinkler control valve position indicator travel smoothly to the open position?	S-3												
4. Did the handle locking pin engage when closing the manual control valve?	S-3												
5. Did the sprinkler control valve travel smoothly to the closed position?	S-3												
F. INSPECT 3-POSITION DRY TYPE CONTROL SYSTEM PIPING AND COMPONENTS:	5221/023												
1. Verify there is no leakage on the following components:	2W-1R												
a. Seawater fire main supply cutout valves?	2W-1R												
b. Seawater supply strainer (s)?	2W-1R												
c. Control system piping root cutout (lock shield) valve(s)?	2W-1R												
d. Fire main gage line and root cutout valves?	2W-1R												
e. 3-position manual control valves (local and remote)?	2W-1R												
f. Sprinkler control valve?	2W-1R												
g. "FH" water switch?	2W-1R												
h. Spring loaded check valves?	2W-1R												
i. Hydraulically-operated remote control valve?	2W-1R												
j. Hydraulically- operated check valve?	2W-1R												
k. Control piping leak off drain lines?	2W-1R												
l. All brazed connections and components?	2W-1R												
2. Remove air test fitting. Verify there is no water present.	2W-1R												

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COMPARTMENT NUMBER													
3. Is the plastic or lead wire seal present on cover.	2W-1R												
4. Is the locking key and anti-tampering seal properly installed and intact on the manual control valve?	2W-1R												
5. Is there a minimum of 40 PSI fire main is present to activate system.	2W-1R												
6. Is the fire main gage in proper working order?	2W-1R												
7. Are there posted instructions/diagrams next to the sprinkler control valve?	GSO 521												
G. INSPECT DRY TYPE SPRINKLER HEADS:	5221/023												
1. Are the orifices free from dirt?	S-1R												
2. Is there any damage to the sprinkler heads, (broken arms or deflectors), if installed?	S-1R												
3. Are the sprinkler heads securely mounted?	S-1R												
4. Are the sprinkler heads free from paint?	S-4R												
H. INSPECT WATER SWITCH:	5221/023												
1. Ship's with circuit key alarm panels:	S-2R												
a. Remove water switch:	S-2R												
b. Are there any cracks or carbonizing on the insulator?	S-2R												
c. Are all electrical connections tight?	S-2R												
d. Are there any cuts, tears or deformation to the gasket and o-ring?	S-2R												
2. Ship's with fire/smoke detection switchboards:	S-2R												
a. Remove water switch.	S-2R												
b. Verify circuit is de-energized?	S-2R												
I. TEST WATER SWITCH:	5221/023												
1. Test water switch IAW PMS:, note: there are different kinds of alarm panels and switches..	S-2R												
2. Did the alarm activate IAW PMS:	S-2R												
J. TEST 3-POSITION DRY TYPE SEAWATER SPRINKLER SYSTEM:	5221/023												
1. Is the test fitting gasket/o-ring free from deterioration?	S-3												
2. Did the handle locking pin engage when the manual control valve was placed in the open position?	S-3												
3. Did the sprinkler control valve position indicator travel smoothly to the open position?	S-3												

	IAW	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT
COMPARTMENT NUMBER													
4. Did the handle locking pin engage when closing the manual control valve?	S-3												
5. Did the sprinkler control valve travel smoothly to the closed position?	S-3												
K. TEST REMOTE MANUAL CONTROL:	5221/023												
1. Did the handle locking pin engage when the remote manual control valve was placed in the open position?	S-3												
2. Did the sprinkler control valve position indicator travel smoothly to the open position?	S-3												
3. Did the handle locking pin engage when closing the remote manual control valve?	S-3												
4. Did the sprinkler control valve travel smoothly to the closed position?	S-3												

REMARKS:	

ASSESSOR(S):_____DATE: _____