

**INSURV INSPECTION GUIDE  
FOR  
AN/SLQ-38 MECHANICAL MINESWEEP EQUIPMENT**

**Reference: MCM 1-8 NAVSEA SG813-BZ-MMO-010/16288, Minesweeping Winch  
MCM 9-14 NAVSEA SG813-CG-MMA-010/34712, Minesweeping Winch  
MCM 1-8 NAVSEA SG811-BD-MMO-010, Stern Cranes  
MCM 9-14 NAVSEA SG811-BW-MMA-010, Stern Cranes  
NAVSEA S9732-AB-MMA-010, Instrumented Sheaves  
Current PMS  
MCM Builder Specifications, Section 100 (Foundation Bolt Memo, dtd 31 Mar 03)**

EQUIPMENT		REMARKS / DISCREPANCIES
<b>Minesweeping Winch</b>	<input type="checkbox"/> INOP	
(1) Is weight test within periodicity and posted?	<input checked="" type="checkbox"/> YES	RBO
(2) Are operating instructions and safety precautions posted?	<input checked="" type="checkbox"/> YES	
(3) Are all hydraulic hoses and pipes in good condition and free of oil leaks?	<input checked="" type="checkbox"/> YES	RBO
(4) Are hydraulic hoses labeled and tested?	<input checked="" type="checkbox"/> YES	RBO
(5) Is winch properly lubricated?	<input checked="" type="checkbox"/> YES	
(6) Is winch properly preserved and free of corrosion?	<input checked="" type="checkbox"/> YES	
(7) Are all fasters installed and properly secured and non-magnetic?	<input checked="" type="checkbox"/> YES	
(8) Do operator joysticks operate freely and automatically return to neutral?	<input checked="" type="checkbox"/> YES	RBO
(9) Are all joysticks properly labeled for direction / legible?	<input checked="" type="checkbox"/> YES	
(10) Do the hydraulic release brakes work properly?	<input checked="" type="checkbox"/> YES	RBO
(11) Are hydraulic brakes adjusted IAW PMS?	<input checked="" type="checkbox"/> YES	RBO
(12) Are factory brake adjustment timing valve settings stamped on data plate?	<input checked="" type="checkbox"/> YES	
(13) Do the drum clutch levers have excessive play?	<input checked="" type="checkbox"/> YES	
(14) Are clutch jaws chipped or rounded?	<input checked="" type="checkbox"/> YES	

(15) Are the following levers painted red and marked for direction:		
a. Drum clutch levers?	<input checked="" type="checkbox"/> YES	
b. Drum pawl levers?	<input checked="" type="checkbox"/> YES	
c. Operating levers?	<input checked="" type="checkbox"/> YES	
d. Brake control selector levers?	<input checked="" type="checkbox"/> YES	
(20) Are the clutch levers equipped with locking pins?	<input checked="" type="checkbox"/> YES	
(21) Does the winch come up to full speed on inhaul?	<input checked="" type="checkbox"/> YES	
(22) Is depressor wire proper type and size?	<input checked="" type="checkbox"/> YES	RBO
(23) Does the depressor wire meet PMS requirements?	<input checked="" type="checkbox"/> YES	RBO
(24) Is the eye properly weight tested?	<input checked="" type="checkbox"/> YES	RBO
(25) Is the depressor wire spooled properly?	<input checked="" type="checkbox"/> YES	
(26) Is the sweep wire the proper type and size?	<input checked="" type="checkbox"/> YES	RBO
(27) Does sweep wire meet proper PMS requirements?	<input checked="" type="checkbox"/> YES	RBO
(28) Is the eye properly weight tested?	<input checked="" type="checkbox"/> YES	RBO
(29) Is the sweep wire spooled properly?	<input checked="" type="checkbox"/> YES	
(30) Level wind assembly lubricated / travel freely?	<input checked="" type="checkbox"/> YES	
(31) Does the level wind assembly operate properly?	<input checked="" type="checkbox"/> YES	
(32) Does the winch operate properly in normal hydraulic configuration?	<input checked="" type="checkbox"/> YES	RBO
(33) Does the winch operate properly when cross-connected?	<input checked="" type="checkbox"/> YES	
(34) Are foundation bolts tight?	<input checked="" type="checkbox"/> YES	RBO

Instrumented Sheaves	<input type="checkbox"/> INOP	
(1) Are weight tests up to date and posted?	<input checked="" type="checkbox"/> YES	RBO
(2) Are sheaves in good condition?	<input checked="" type="checkbox"/> YES	
(3) Do sheaves rotate freely?	<input checked="" type="checkbox"/> YES	RBO
(4) Are deck mounting pins the proper size and type?	<input checked="" type="checkbox"/> YES	
(5) Does the line tension payout system work properly?		Port displays must be operable for DEMO.
a. Payout?	<input checked="" type="checkbox"/> YES	
b. Tension?	<input checked="" type="checkbox"/> YES	
c. Fairlead the sweep and depressor wires to the winch for even stacking?	<input checked="" type="checkbox"/> YES	
(6) Are calibration values correct?	<input checked="" type="checkbox"/> YES	RBO
(7) Do the minesweep winch remote indicators operate properly?	<input checked="" type="checkbox"/> YES	
(8) Do the port bridge wing winch remote indicators operate properly?	<input checked="" type="checkbox"/> YES	
(9) Do the stbd bridge wing winch remote indicators operate properly?	<input checked="" type="checkbox"/> YES	
(10) Do the pilot house winch remote indicators operate properly?	<input checked="" type="checkbox"/> YES	
(11) Are the sheaves clean, free of corrosion?	<input checked="" type="checkbox"/> YES	
(12) Are sheave gound straps properly installed and effective?	<input checked="" type="checkbox"/> YES	
(13) Are foundation bolts tight and non-magnetic?	<input checked="" type="checkbox"/> YES	RBO

<b>PORT Stern Crane</b>	<input type="checkbox"/> INOP	
(1) Is weight test within periodicity and posted?	<input checked="" type="checkbox"/> YES	RBO
(2) Are operating and safety precautions posted?	<input checked="" type="checkbox"/> YES	
(3) Do operator joysticks operate freely and automatically return to neutral?	<input checked="" type="checkbox"/> YES	RBO
(4) Are all joysticks properly labeled for direction / legible?	<input checked="" type="checkbox"/> YES	
(5) Are brakes properly adjusted IAW tech manual?	<input checked="" type="checkbox"/> YES	RBO
(6) Are all hydraulic hoses in good condition and free of oil leaks?	<input checked="" type="checkbox"/> YES	RBO
(7) Are hydraulic hoses labeled and tested?	<input checked="" type="checkbox"/> YES	RBO
(8) Are all hydraulic pipes and fittings free of leaks?	<input checked="" type="checkbox"/> YES	
(9) Is crane properly lubricated?	<input checked="" type="checkbox"/> YES	
(10) Is crane properly preserved and free of corrosion?	<input checked="" type="checkbox"/> YES	
(11) Do sheaves rotate freely?	<input checked="" type="checkbox"/> YES	
(12) Are sheaves in good condition?	<input checked="" type="checkbox"/> YES	
(13) Are all fasters installed and properly secured and non-magnetic?	<input checked="" type="checkbox"/> YES	
(14) Is the operator seat belt installed and in good condition?	<input checked="" type="checkbox"/> YES	RBO
(15) Is the crane hydraulic pressure gauge installed / calibrated?	<input checked="" type="checkbox"/> YES	
(16) Is the crane hydraulic pressure gauge in aft-steering calibrated?	<input checked="" type="checkbox"/> YES	RBO
(17) Is the whip wire the proper length and layed / spooled properly?	<input checked="" type="checkbox"/> YES	
(18) Is the whip wire the proper size and type?	<input checked="" type="checkbox"/> YES	RBO
(19) Is whip wire pull test data within periodicity?	<input checked="" type="checkbox"/> YES	RBO
(20) Does whip wire meet PMS requirements?	<input checked="" type="checkbox"/> YES	RBO
(21) Does crane operate properly?	<input checked="" type="checkbox"/> YES	RBO
(22) Does crane movement stop when control joysticks are released to neutral?	<input checked="" type="checkbox"/> YES	RBO
(23) Are foundation bolts tight?	<input checked="" type="checkbox"/> YES	RBO

<b>STBD Stern Crane</b>	<input type="checkbox"/> INOP	
(1) Is weight test within periodicity and posted?	<input checked="" type="checkbox"/> YES	RBO
(2) Are operating and safety precautions posted?	<input checked="" type="checkbox"/> YES	
(3) Do operator joysticks operate freely and automatically return to neutral?	<input checked="" type="checkbox"/> YES	RBO
(4) Are all joysticks properly labeled for direction / legible?	<input checked="" type="checkbox"/> YES	
(5) Are brakes properly adjusted IAW tech manual?	<input checked="" type="checkbox"/> YES	RBO
(6) Are all hydraulic hoses in good condition and free of oil leaks?	<input checked="" type="checkbox"/> YES	RBO
(7) Are hydraulic hoses labeled and tested?	<input checked="" type="checkbox"/> YES	RBO
(8) Are all hydraulic pipes and fittings free of leaks?	<input checked="" type="checkbox"/> YES	
(9) Is crane properly lubricated?	<input checked="" type="checkbox"/> YES	
(10) Is crane properly preserved and free of corrosion?	<input checked="" type="checkbox"/> YES	
(11) Do sheaves rotate freely?	<input checked="" type="checkbox"/> YES	
(12) Are sheaves in good condition?	<input checked="" type="checkbox"/> YES	
(13) Are all fasters installed and properly secured and non-magnetic?	<input checked="" type="checkbox"/> YES	
(14) Is the operator seat belt installed and in good condition?	<input checked="" type="checkbox"/> YES	RBO
(15) Is the crane hydraulic pressure gauge installed / calibrated?	<input checked="" type="checkbox"/> YES	
(16) Is the crane hydraulic pressure gauge in aft-steering calibrated?	<input checked="" type="checkbox"/> YES	RBO
(17) Is the whip wire the proper length and layed / spooled properly?	<input checked="" type="checkbox"/> YES	
(18) Is the whip wire the proper size and type?	<input checked="" type="checkbox"/> YES	RBO
(19) Is whip wire pull test data within periodicity?	<input checked="" type="checkbox"/> YES	RBO
(20) Does whip wire meet PMS requirements?	<input checked="" type="checkbox"/> YES	RBO
(21) Does crane operate properly?	<input checked="" type="checkbox"/> YES	RBO
(22) Does crane movement stop when control joysticks are released to neutral?	<input checked="" type="checkbox"/> YES	RBO
(23) Are foundation bolts tight?	<input checked="" type="checkbox"/> YES	RBO

**OVERALL EQUIPMENT CONDITION: OPERATIONAL / INOP**

**Remarks:**