

Summary Report for Individual Task
551-88H-1406
Place Hagglands Crane in Twin Mode
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA 23801 foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: Assigned as a Crane Operator given a requirement to place Hagglands Crane in twin mode in an operational environment , day or night, in normal weather conditions, a completed risk assessment, safety briefing, Hagglands crane, cargo, signalman, assistant operator, and TC 4-13.17. Some iterations of this task should be performed in MOPP 4.

Standard: Set up and operate the Hagglands Crane in twin mode following safety guidelines without injury to personnel or damage to crane or cargo in accordance with TC 4-13.17.

Special Condition: None

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: You are assigned as a Crane Operator tasked to place the Hagglands Crane in twin mode.

DANGER

Adhere to all DANGER statements listed in the equipment technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnnel or damage to equipment.

WARNING

Adhere to all WARNING statements listed in the equipment technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnnel or damage to equipment.

CAUTION

Adhere to all CAUTION statements listed in the equipment technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnnel or damage to equipment.

Remarks: None

Notes: None

Performance Steps

1. Set up the Hagglands crane in twin mode (see Figure 3-44).

Note: The master crane is #1 and the slave crane is #2.

a. Position assistant operator on crane #2 (slave) platform.

b. Ensure that the controls are in the NEUTRAL position.

c. Start crane by pressing the START button on the control panel in crane #2.

d. Raise the angle of the boom to 45 degrees.

e. Slew (swing) crane #2 into the twin position by using the bypass slewing limit switch.

f. Move the right control lever to the right.

g. Using the right hand, move the right control lever to the right to swing the crane into the twin position.

h. Instruct the assistant operator to extract the safety pin from the slewing lock lever to engage the slewing lock on crane # 2.

Note: Same procedures are applied to crane #1 (master) to engage the slewing lock.

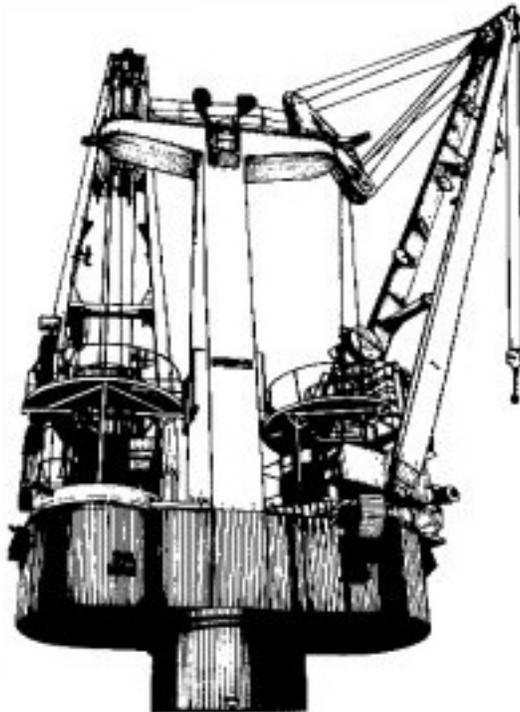


Figure 3-44
Hagglands Crane in Twin Mode

2. Operate the Hagglands crane in twin mode.

a. Place the SINGLE/TWIN CONTROL switch on twin mode in the (master) crane.

b. Press the START/STOP button on the control panel in crane #1 to start both cranes (twin mode).

c. Slew the crane in either direction or 360 degrees by moving the control lever slowly to the left or right, using the right hand.

d. Stop the slew of the crane or change the crane's direction by returning the right-hand control lever to the NEUTRAL position.

e. Raise the boom by moving the right-hand control lever slowly straight to the rear, using the right hand.

CAUTION

Always return the control levers to the NEUTRAL position before changing direction of the boom, crank, and hook.

f. Lower the boom by moving the right-hand control lever slowly straight forward, using the right hand.

g. Lower the hook by moving the left-hand control lever slowly straight forward, using the left hand.

h. Raise the hook by moving the left-hand control lever slowly to the rear, using the left hand.

Note: The control lever for the hook and boom have speeds of high and low range.

i. Synchronize the booms by using the twin reset button; continue to move the booms up and down until both booms move together at the same height.

j. Synchronize the hooks by using the differential synchro knob for twin mode; move the hooks up and down until both hooks move together at the same time.

CAUTION

Switch on the emergency shutdown switch if the low oil light comes on.

k. Commence operations by securing a twin hook to the single hooks.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance steps are passed (P). Score the Soldier NO-GO if any performance step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the TC and the Evaluation Guide to score the Soldier's performance. Brief the Soldier. Tell the Soldier what is required IAW the task condition and standard.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Set up the Haggglunds crane in twin mode.			
2. Operated the Haggglunds crane in twin mode.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	HAGGLUNDS CRANE OP MANUAL	Haggglunds Hydraulic Deck Crane Manual	No	No
	TC 4-13.17	Cargo Specialist's Handbook	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste. Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. All Soldiers and leaders must maintain a proactive posture towards safety in day-to-day operations. The need for total commitment to safety should be evident to commanders, senior Soldiers, and their subordinates. The importance of safety is intensified for personnel conducting Haggglunds Crane operations. Safety awareness is most effective at three levels: command, leader, and individual. Observe all danger, warning and caution statements.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard. Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-1403	Prepare Haggglunds Crane for Operation	551 - Transportation (Individual)	Approved
551-88H-2406	Direct Set-up Procedures on Haggglunds Crane for Twin Mode Operations	551 - Transportation (Individual)	Approved
551-88H-1405	Operate Haggglunds Crane in Single Mode	551 - Transportation (Individual)	Superseded
551-88H-2412	Supervise Stowage of Containers Aboard a Cargo Vessel	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-1406	Conduct Cargo Operations to Discharge and Load Breakbulk Cargo	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88H - CARGO SPECIALIST SL4	Enlisted	MOS: 88H, Skill Level: SL4, Duty Pos: TGI
MOS 88H - CARGO SPECIALIST SL1	Enlisted	MOS: 88H, Skill Level: SL1, Duty Pos: TAZ
MOS 88H - CARGO SPECIALIST SL3	Enlisted	MOS: 88H, Skill Level: SL3, Duty Pos: TBA
MOS 88H - CARGO SPECIALIST SL2	Enlisted	MOS: 88H, Skill Level: SL2, Duty Pos: ABW