

# ASSIGNMENT 9

Textbook Assignment: "Support Equipment," chapter 9, pages 9-1 through 9-20.

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- 9-1. Which of the following departments aboard ship are principal users of support equipment?
1. Deck
  2. Operations
  3. Air
  4. Supply
- 9-2. The Navy uses how many general types of support equipment?
1. One
  2. Two
  3. Three
  4. Four
- 9-3. Which of the following tow tractors is designed for towing aircraft servicing equipment, work stands, and armament handling equipment?
1. A/S32A-30
  2. A/S23A-30A
  3. A/S32A-31
  4. A/S32A-31A
- 9-4. What is the towing capacity of the A/S32A-30A tow tractor?
1. 10,000 pounds
  2. 20,000 pounds
  3. 30,000 pounds
  4. 40,000 pounds
- 9-5. Which of the following tow tractors is designed for towing aircraft aboard ship?
1. A/S32A-30
  2. A/S23A-30A
  3. A/S32A-31
  4. A/S32A-31A
- 9-6. What is another name for the A/S32A-32 tow tractor?
1. "Big Bertha"
  2. "Spotting Dolly"
  3. "Joystick"
  4. "Grappler"
- 9-7. Which of the following features of the A/S32A-32 tow tractor is NOT found on other tractors?
1. A diesel engine
  2. Pintle hook
  3. Lifting arms
  4. A drivers seat
- 9-8. What is the towing capacity of the A/S32A-42 mid-range tow vehicle?
1. 25,000 pounds
  2. 50,000 pounds
  3. 75,000 pounds
  4. 100,000 pounds
- 9-9. Which of the following letter identifiers apply to the aircraft carrier crash handling and salvage crane?
1. CVCC
  2. AACC
  3. AVCC
  4. AVCA
- 9-10. Which of the following letter identifiers apply to an amphibious assault ship crash handling and salvage crane?
1. CVCC
  2. AACC
  3. AVCC
  4. CVCA
- 9-11. What component provides dynamic vehicle braking on the A/S32P-25 shipboard fire-fighting vehicle?
1. Hydrostatic drive system
  2. Hydraulic reservoir
  3. Pneumatic pump
  4. Brake master cylinder
- 9-12. Which of the following fire-fighting agents are carried on the A/S32P-25 shipboard fire-fighting vehicle?
1. CO<sub>2</sub> and PKP
  2. AFFF and CO<sub>2</sub>
  3. AFFF and Halon 1211
  4. Water and AFFF

- 9-13. What class of fire is the Twinned Agent Unit (TAU-2H) primarily designed to extinguish?
1. Class A
  2. Class B
  3. Class C
  4. Class D
- 9-14. What propels the fire-extinguishing agents on the Twinned Agent Unit (TAU-2H)?
1. Carbon dioxide
  2. Oxygen
  3. Compressed air
  4. Nitrogen
- 9-15. How many degrees of rotation is provided for the superstructure on the A/S32M-14 aircraft maintenance crane?
1. 180°
  2. 270°
  3. 360°
  4. 375°
- 9-16. Which of the following activities is tasked with maintenance of forklifts aboard a naval station?
1. Supply department
  2. Base operations
  3. Public works
  4. AIMD
- 9-17. When operating the flight deck scrubber, how do you recover the solution and debris?
1. Rotating cylindrical brushes
  2. Vacuum recovery system
  3. Rear squeegee
  4. Debris hopper
- 9-18. The purpose of servicing equipment is to provide compressed nitrogen or air, electrical and hydraulic power, and air-conditioning for aircraft functions while the aircraft is on the ground.
1. True
  2. False
- 9-19. Which of the following electrical power plants is designed primarily for use aboard aircraft carriers?
1. MMG-1A
  2. NC-8A
  3. NC-2A
  4. NC-10C
- 9-20. Which of the following mobile or trailer mounted electrical power plants deliver 115/200-volt, 3-phase, 400-hertz ac and 28 volts of dc power?
1. NC-2A
  2. NC-8A
  3. NC-10C
  4. Each of the above
- 9-21. Which of the following types of motors or engines propel the NC-8A?
1. Electric motor
  2. Gasoline engine
  3. Diesel engine
  4. Hydraulic motor
- 9-22. Where are the ac and dc electrical cables stored on the NC-10C?
1. On two flaking hooks at the rear of the unit
  2. Spring-loaded reels next to the control panel
  3. In a wire mesh cage on top of the removable cowling
  4. Inside a hinged door compartment at the front of the unit
- 9-23. Which of the following mobile electric power plants is/are equipped with a tow bar for towing and steering?
1. NC-2A
  2. NC-10C only
  3. MMG-1A only
  4. NC-10C and MMG-1A
- 9-24. What does the A/M47A-4 jet aircraft start unit provide for starting jet aircraft engines?
1. Fuel and compressed air
  2. Hydraulic pressure and electrical power
  3. Compressed air and electrical power
  4. Fuel and hydraulic pressure
- 9-25. Which of the following hazards is associated with the operation of a gas turbine compressor (GTC)?
1. High volume air pressure and extreme exhaust temperatures
  2. Jet intake suction and high noise levels
  3. Unqualified operators
  4. Each of the above
- 9-26. What aircraft system is serviced using the A/M27T-5?
1. Pneumatic
  2. Nitrogen
  3. Hydraulic
  4. Oxygen

- 9-27. What is the rated capacity of the A/M27T-5 hydraulic portable power supply?
1. 10 gpm at 2,000 psi and 20 gpm at 3,000 psi
  2. 20 gpm at 3,000 psi and 10 gpm at 5,000 psi
  3. 30 gpm at 4,000 psi and 5 gpm at 5,000 psi
  4. 25 gpm at 2,500 psi and 5 gpm at 6,000 psi
- 9-28. The A/M27T-5 hydraulic portable power supply is powered by a diesel engine.
1. True
  2. False
- 9-29. The A/M27T-7 hydraulic portable power supply is powered by an electric motor.
1. True
  2. False
- 9-30. On the A/U26U-1 oxygen servicing unit, how many cylinders of nitrogen are used to drive the boost pump?
1. One
  2. Two
  3. Three
  4. Four
- 9-31. How many nitrogen cylinders are mounted on the A/M26U-4 (NAN-4)?
1. Two
  2. Four
  3. Six
  4. Eight
- 9-32. What is the maximum nitrogen supply boost pump pressure on the NAN-4?
1. 2,500 psi
  2. 3,500 psi
  3. 4,500 psi
  4. 5,500 psi
- 9-33. What are the major components on the TMU 70/M oxygen storage tank?
1. Control valves, storage tank, and transfer tank
  2. Gas cylinders, control valves, and transfer tank
  3. Control valves, storage tank, and pump
  4. Storage tank, control box, and pump
- 9-34. What is the purpose of using mobile air-conditioning units?
1. Cooling and ventilating aircraft electronic equipment
  2. Dehumidifying the cockpit and cabin during ground maintenance
  3. Alleviate the need for running the aircraft engines for long periods of time
  4. Each of the above
- 9-35. How many systems are contained in the A/M32C-17 mobile air-conditioner?
1. One
  2. Two
  3. Three
  4. Four
- 9-36. The A/M32C-21 mobile air-conditioner is powered by what source?
1. Electric motor
  2. Diesel engine
  3. Gasoline engine
  4. External power
- 9-37. Which of the following aircraft jacks is used to raise the landing gear wheels off the deck to perform maintenance operations?
1. Tripod jack
  2. Axle jack
  3. Fixed height jack
  4. Pneumatic jack
- 9-38. Which of the following aircraft jacks is used for raising the wing, nose, or tail of an aircraft?
1. Tripod jack
  2. Axle jack
  3. Fixed height jack
  4. Pneumatic jack
- 9-39. What operates the variable height upper structure on the B-2 maintenance platform?
1. Mechanical scissors
  2. Telescopic cylinders
  3. Manual pump-actuated hydraulic system
  4. Immobilizing jacks
- 9-40. What is the weight bearing capacity of the B-4 maintenance platform?
1. 200 pounds
  2. 400 pounds
  3. 600 pounds
  4. 800 pounds

- 9-41. As an Airman Apprentice, you are not responsible for maintaining support equipment unless you are striking for Aviation Support Equipment Technician.
1. True
  2. False
- 9-42. Which of the following dangers are associated with operating a MEPP?
1. High fluid pressure
  2. High voltage
  3. Hot exhaust temperatures
  4. Intake suction
- 9-43. What total number of levels of maintenance are available in naval aviation?
1. One
  2. Two
  3. Three
  4. Four
- 9-44. What level of aircraft maintenance is responsible for component inspection, disassembly, repair, reassembly, testing, and fabrication?
1. Organizational
  2. Intermediate
  3. Depot
- 9-45. Which of the following publications must you use to inspect support equipment prior to its use?
1. Maintenance manual
  2. Operations manual
  3. Maintenance requirements card
  4. Preoperational card
- 9-46. How often must a preoperational card be used when inspecting support equipment?
1. First thing in the morning only
  2. Every other day if the equipment has not been used
  3. Prior to the first use of the day and any use thereafter
  4. At the end of the day
- 9-47. Which, if any, of the following functions will be stated on the preoperational card?
1. How to make a minor repair
  2. Make adjustments
  3. Correct defective conditions
  4. None of the above
- 9-48. What publication governs the Support Equipment Operator Training and Licensing Program?
1. *Naval Aviation Maintenance Program (NAMP)*, OPNAVINST 4790.2
  2. *Aviation Support Equipment Technician (AS)*, NAVEDTRA 14329
  3. *Aviation Support Equipment Basic Handling and Safety Manual*, NAVAIR 00-80T-96
  4. *Aviation Support Equipment General Operating Procedures Manual*, NAVAIR 17-1-128
- 9-49. What total number of training phases are there in the Support Equipment Operator Training and Licensing Program?
1. One
  2. Two
  3. Three
  4. Four
- 9-50. Where would you receive support equipment phase 1 training?
1. Aboard ship
  2. Squadron
  3. AIMD sponsored school
  4. Support equipment "A" school
- 9-51. Which of the following divisions has the responsibility for monitoring the Support Equipment Operator Training and Licensing Program?
1. Quality assurance
  2. Line
  3. Support equipment
  4. Maintenance
- 9-52. What is the Support Equipment Operator's License commonly known as?
1. White license
  2. SE card
  3. Yellow license
  4. Operator's license
- 9-53. Completion of support equipment Phase 1 training at an AIMD-sponsored school certifies completion of Phase 1 training only and does not authorize you to operate any given piece of support equipment.
1. True
  2. False

9-54. Which of the following persons authorizes and signs your "yellow license" upon completion of Phase 2 training?

1. Commanding officer only
2. Maintenance officer only
3. Commanding officer or maintenance officer
4. Quality Assurance Officer

9-55. From the date of issue, your yellow license is good for what total number of years?

1. One
2. Two
3. Three
4. Four

9-56. Upon witnessing a support equipment misuse or abuse violation, which of the following personnel may submit a misuse and abuse form?

1. Maintenance officer
2. Supply officer
3. Chief petty officer
4. Anyone witnessing misuse or abuse