

HIGH PRESSURE (H.P.) AIR COMPRESSOR WATCH QUALIFICATION CARD

Name: \_\_\_\_\_ Rate: \_\_\_\_\_ Div: \_\_\_\_\_ Date: \_\_\_\_\_

1. References

- a. Gas Farm Operating Procedures
- b. Compressor Technical Manuals
- c. Air Purification System Technical Manual
- d. DLSS, NAVFAC Schematics
- e. Shop Air Operating procedures

2. Prerequisites

Be designated for Air Compressor/Air Purification package watch qualifications by the Engineering Officer.

3. Knowledge Factors

Demonstrate a thorough knowledge of the following systems. As a minimum, discuss the function, normal operation, parameters, and safety features associated with each system.

- a. H.P. Air Distribution System. \_\_\_\_\_ /  
Signature Date
- b. Low Pressure (L.P.) Air Distribution Panel. \_\_\_\_\_ /  
Signature Date
- c. H. P. Reducing Panels. \_\_\_\_\_ /  
Signature Date
- d. H.P.Compressor and Purification Package Electrical Power Dist. \_\_\_\_\_ /  
Signature Date
- e. L.P.Compressor and Dryer Electrical Power Dist. \_\_\_\_\_ /  
Signature Date
- f. H.P. Purification Package. \_\_\_\_\_ /  
Signature Date
- g. H.P. Compressor Cooling Systems. \_\_\_\_\_ /  
Signature Date

- h. L.P. Compressor Glycol Cooling Systems. \_\_\_\_\_ /  
Signature Date
- i. H.P. Compressor Lubrication. \_\_\_\_\_ /  
Signature Date
- j. L.P. Compressor Lubrication. \_\_\_\_\_ /  
Signature Date
- k. Basic Air Compressor troubleshooting. \_\_\_\_\_ /  
Signature Date
- l. Discuss the following casualty procedures:
- (1) MAKO:
- (a) Low lube oil. \_\_\_\_\_ /  
Signature Date
- (b) Low water pressure. \_\_\_\_\_ /  
Signature Date
- (c) High. \_\_\_\_\_ /  
Signature Date
- (d) Loss of cooling water pressure. \_\_\_\_\_ /  
Signature Date
- (2) Discuss the Kaeser Compressor Digital Panel:
- (a) What powers the Sigma Control? \_\_\_\_\_ /  
Signature Date
- (b) Emergency Stop Button. \_\_\_\_\_ /  
Signature Date
- (c) When the yellow Sigma Control flashes. \_\_\_\_\_ /  
Signature Date
- (d) What is indicated when any of the following \_\_\_\_\_ /  
Signature Date

are displayed "R", "S", and "F"?

- (e) Name three ways the compressors can be operated. \_\_\_\_\_ /  
Signature Date
- (3) H.P. Air Purification Pkg.: \_\_\_\_\_ /  
Signature Date
- (a) High moisture. \_\_\_\_\_ /  
Signature Date
- (b) Air quality failure. \_\_\_\_\_ /  
Signature Date
- (c) Switch over failure. \_\_\_\_\_ /  
Signature Date
- (d) Auto drain failure. \_\_\_\_\_ /  
Signature Date
- (4) Reducer Freeze-up. \_\_\_\_\_ /  
Signature Date
- (5) 450 psi Loop Over-Pressurization. \_\_\_\_\_ /  
Signature Date
- (6) Loss of PVA pressure. \_\_\_\_\_ /  
Signature Date
- (7) Kaeser Screw Compressor Mod. SK26:
- (a) How often to clean the filter mat? \_\_\_\_\_ /  
Signature Date
- (b) Safety relief pressure. \_\_\_\_\_ /  
Signature Date
- (c) Oil capacity. \_\_\_\_\_ /  
Signature Date
- (d) High inlet air temperature. \_\_\_\_\_ /  
Signature Date

(e) Demonstrate knowledge of Kaeser Digital  
 Controllers Signature.

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

4. Practical Factors

a. Line up and charge an H.P.  
 Bank.

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

b. Perform Gas Farm Modified  
 Operating Procedures.

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

c. Complete a walk-thru  
 examination administered by  
 Compressor Technician.

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

d. Line up L.P. Shop Air  
 Compressor.

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

\_\_\_\_\_/\_\_\_\_\_  
 Signature Date

5. Recommended as an Air Compressor Operator by the Hyperbaric  
 Division Officer.

\_\_\_\_\_/\_\_\_\_\_  
 HYPERBARICS DIVISION OFFICER

Date

6. Designated as an Air Compressor Watchstander.

\_\_\_\_\_/\_\_\_\_\_  
 ENGINEERING OFFICER Date