



# NQUEEC COMPRESSOR OPERATOR INDUCTION

See User Notes on reverse for detailed instructions

Read the following additional documents:

- Bauer Compressor Operating Manual*
- Subaru Engine Operating Manual*
- NQUEEC Compressor Operating Procedures*
- NQUEEC Compressor Quick Reference Guide*

Locate the following engine components:

- Exhaust outlet
- Oil fill point and dipstick
- Stop switch
- Fuel cock
- Choke lever
- Throttle lever
- Starter grip

Locate the following compressor components:

- Suction filter
- Oil fill point and dipstick
- Filling valve/s and gauge/s
- Condensate drain cocks
- Intermediate separator
- P21 filter assembly
- Final pressure safety valve
- Bauer B-timer

- Explain how to interpret the B-timer display.
- Explain how to interpret a cylinder hydrostatic test stamp to determine if the cylinder can be filled.
- Explain how to confirm o-rings are serviceable and valves are clean and contaminant-free.
  
- Demonstrate how to position the compressor to avoid CO contamination.
- Demonstrate how to check compressor and engine oil levels.
- Demonstrate correct compressor set up including fuel check, suction filter assembly, and system depressurization.
- Demonstrate correct compressor start up including condensate drain operation, and compressor purge.
- Demonstrate correct filling procedure including valve operation, gauge reading, line venting, and cylinder changes.
- Demonstrate correct compressor shut down including run-down to idle, and retaining residual pressure.
- Demonstrate post-filling procedures including refueling, and protection from weather and contaminants.

Inductee:	Facilitator:	Venue:	Date:
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## USER NOTES

- The aim of this document is to train safe and competent operators of the Club compressor through familiarization with both the equipment, and its associated documentation (operating manuals, procedures, and guides).
- Inductions are to be facilitated by the NQUEC Equipment Officer (EO) or another member of the Club management committee.
- The induction contains one theory element and three practical elements; *read*, *locate*, *explain*, and *demonstrate*. Each serial is to be 'ticked' by the EO once they are satisfied the inductee has successfully performed that action.
- Induction is designed to occur in the sequence shown, although the inductee may read through the additional documents prior to undertaking the practical elements. These additional documents are available through the EO and the Club website. Once the inductee has completed the reading element, they should be given an opportunity to clarify anything they have read but not yet fully understood. The inductee must then show comprehension of the additional documents before progressing to the practical elements. Comprehension can be confirmed through simple question and answer.
- The exact conduct of the practical elements will depend upon the individual inductee. For example, if the inductee has no prior experience operating compressors, then it may be necessary for the facilitator to start with a 'walk-through-talk-through' for each serial, then fully demonstrate each serial, and then have the inductee perform each serial until they can correctly complete each action without assistance. However, if the inductee has prior experience operating compressors, then the facilitator may decide that an expedited method is more appropriate where the facilitator demonstrates each serial once, with the inductee then satisfactorily performing each action.
- An induction may be performed either as a stand-alone Club training activity or concurrently during a Club dive trip, but it must be completed prior to a member's first use of the Club compressor (initial induction). An induction may also be mandated when deemed necessary by the Club management committee for infrequent compressor operators (skills refresher).
- Completed Induction forms are to be forwarded to the Club Secretary for retention.