

## Rock Drill / Road Breaker Pneumatic Air Supply Requirements

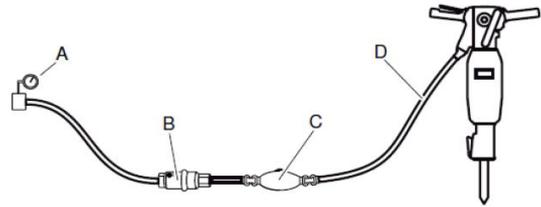
### WHAT HAS HAPPENED?

There have been a number of injuries sustained from the use of pneumatic Rock Drills. Two contributory factors are a lack of lubrication of the equipment, and / or water vapour within the compressed air line which when it reaches the tool freezes.

To reduce the likelihood of these issues occurring water separation devices and Atlas Copco Air Oil **SAP Code 5281** should be used with Rock Drills and Breakers. Atlas Copco 'Air Oil' replaces 'Rock Drill Oil' and 'Breaker Oil' which are referenced in Work Procedures T/PR/TE/P4.1 & T/PR/TE/P4.2.

Below is advice on the options for connecting pneumatic tools to the compressed air supply

### Preferred Connection Option



- A – Compressed air source;
- B – 'in-line' water separator, arrow with air flow;
- C – 'in-line' lubricator, arrow with air flow;
- D – Maximum distance of 3m from lubricator to tool.

### Second Option: On board Vehicle PTO lubricating Unit



### ACTIONS REQUIRED:

#### Air Supply Connection Methods – Listed in priority (see diagrams above)

**Preferred Option:** Where inline water separators and oilers are available, these shall be connected within 3 metres from the tool as indicated above to the **mist free** supply from the vehicle PTO. Where a breaker is used the integral oiler system on the breaker shall be 'topped up' with Air Oil on a regular basis. To top up oiler points, ensure the system is not running and vent any air in the system.

**Second Option:** Where an inline water separator and oiler are not available, the tool shall be connected to the **Oil Mist** supply from the PTO. The PTO lubricating unit is typically located on the racking on the nearside of the vehicle (see above); the oil level is visible on the site glass on the side of the bowl. To top up, ensure the system is not running and vent any air in the system, carefully unscrew the bowl by holding the lug at the bottom of the sight glass tube.

**THE SIGHT GLASS WILL BREAK IF USED TO UNSCREW THE UNIT.**

#### Managers shall ensure:

- Where inline water separators and oilers are available, operatives use these whenever a breaker / Rock Drill is operated.
- Operatives have provision to procure adequate supplies of Air Oil.
- Operatives are aware on how to top up vehicle PTO lubrication systems.
- Ensure operatives are conversant with the requirements of this bulletin.