

Bore - Pump - Lineshaft Turbine - Elect Mtr Driven

Last Issue Date: 30/01/2008		Type Of Service				
Activity		A	B	C	D	E
1	<p>BORE DATA SHEET</p> <p>The Bore Data Sheet shall be used in conjunction with this Technical Data Schedule and shall have all sections acknowledged and details of equipment, tests, findings and results recorded.</p>					Y
2	<p>WATER SAMPLING AND TESTING</p> <p>Water sample to be:-</p> <ul style="list-style-type: none"> <li>- collected in an approved sterile container.</li> <li>- processed/tested within 24 hours of collection.</li> <li>- analysed for iron bacteria and iron levels.</li> <li>- tested by NATA or ISO registered body or organisation.</li> </ul>					Y
3	<p>BOREHOLE TREATMENT</p> <p>Treat borehole with approved sterilising and disinfecting agent.</p> <p>*Note: Prior approval to be obtained and work to be carried out in accordance with the authorising agents requirements and instructions.</p>					Y
4	<p>ELECTRICAL CONTROLS</p> <p>Check condition and operation of all electrical controls including:-</p> <ul style="list-style-type: none"> <li>- all safety devices.</li> <li>- overloads and circuit breakers.</li> <li>- switches, indicator lamps and alarms.</li> <li>- contactors and relays, especially for noise and/or wear.</li> <li>- all control equipment and sensing devices.</li> <li>- all terminals and connections for contact, tightness and corrosion.</li> <li>- control cabinet, especially hinges, locks and for general cleanliness</li> </ul>					Y
5	<p>ELECTRIC MOTOR</p> <p>Check condition and operation of motor including:-</p> <ul style="list-style-type: none"> <li>- current reading on all phases under load against manufacturer's specified ratings.</li> <li>- voltage reading between phases under load.</li> <li>- winding integrity.</li> <li>- insulation integrity.</li> <li>- all terminals and connections for contact, tightness and corrosion.</li> <li>- motor bearings.</li> <li>- couplings.</li> </ul>					Y
6	<p>PUMP, PUMP DRIVE SHAFT AND COLUMN</p> <p>Pump to be flow tested and results recorded, prior to any dismantling.</p> <p>Check column pipe especially for any signs of damage or corrosion.</p> <p>Check condition and operation of driveshaft/s especially:-</p> <ul style="list-style-type: none"> <li>- for wear or corrosion.</li> <li>- for straightness.</li> <li>- joints and couplings.</li> <li>- bearings.</li> </ul>					Y

**Disclaimer** - This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia  
Department of Planning,  
Transport and Infrastructure

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	Check condition and operation of pump including:- - dismantle and overhaul. Re-install pump and flow test to ensure compliance with manufacturer's printed performance criteria including:- - duty point. - minimum and maximum flow. - closed head. Check condition and operation of valves.					
7	Check bore pit, plinth and/or shed floor is clean & free of any debris					Y
8	Provide completed/updated copy of Bore Data Sheet and written report on tests, results and any recommendations.					Y
9	Record all results in log book.					Y

**Special Comments and Technical Data**

\*ALL CARE SHOULD BE TAKEN AND EQUIPMENT STERILISED WITH AN APPROVED STERILISING AGENT TO PREVENT THE TRANSFER OF ANY CONTAMINATION, ESPECIALLY IRON BACTERIA.  
 \*APPROVED STERILISING AGENT, SODIUM HYPERCHLORIDE 12% AT THE  
 \*ENSURE BORE SITE IS LEFT FREE OF ANY CONTAMINANTS OR REFUSE RATE OF 120 MG/LITRE, EQUATING TO 120 PPM.  
 E SERVICE AS REQUIRED, REFER TO S24 OR S24AA FOR ROUTINE MAINTENANCE.

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