

Bore - Pump - Pump Jack - Engine Driven

Last Issue Date: 30/01/2008		Type Of Service				
		A	B	C	D	E
Activity						
1	<p>BORE DATA SHEET 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 Water sample to be:- - collected in an approved sterile container. - processed/tested within 24 hours of collection. - analysed for iron bacteria and iron levels. - tested by NATA or ISO registered body or organisation.</p>					Y
3	<p>BOREHOLE TREATMENT Treat borehole with approved sterilising and disinfecting agent. *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>GEARING Check condition and operation of:- - pinions and gearwheels, especially backlash. - pinion, main and gearwheel bearings. - connecting rods and crankpins. - crosshead, guide loop and guide roller. - oiling system. - pulleys for alignment, secure fixing and for any signs of wear. Drain oil from reservoir, flush reservoir clean and refill with fresh oil to manufacturer's specifications, if applicable.</p>					Y
5	<p>ELECTRICAL CONTROLS Check condition and operation of all electrical controls including:- - all safety devices. - indicator lamps and alarms. - contactors and relays, especially for noise and/or wear. - all control equipment and sensing devices. - all terminals and connections for contact, tightness and corrosion. - control cabinet, especially hinges, locks and for general cleanliness Check condition and operation of batteries and battery charger system, including:- - solar panels, if fitted, especially for cleanliness. - tracking system, if fitted.</p>					Y
6	<p>ENGINE Check condition and operation of engine, including:- - condition, security and alignment of pulleys. - condition, alignment and tension of V belts. - fuel tank, fuel lines, fittings and filters especially for leaks or contamination.</p>					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,
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	Service engine including:- - change engine oil and filter, if fitted. - check air filter.					
7	DIFFERENTIAL COMPENSATOR Check barrel and install new buckets or cups. Check condition and operation of:- - compensator rod and connecting rod especially for straightness, damage or corrosion. - compensator rod especially for correct alignment with its connecting rod.					Y
8	PUMP, PUMP ROD AND COLUMN Check column pipe especially for any signs of damage or corrosion. Withdraw pump rods from column and check condition especially for straightness, damage, wear or corrosion. Check rod sockets especially for wear, damage, fractures or corrosion. Check condition and operation of pump including:- - barrel. - fit new buckets or pump cups. - ensure plunger rod is secure in plunger cage. - plunger valve/s and bottom valve for wear and correct sealing. Check condition and operation of footvalve including:- - dismantle and service all components.					Y
9	Check bore pit, plinth and/or shed floor is clean & free of any debris					Y
10	Provide completed/updated copy of Bore Data Sheet and written report on tests, results and any recommendations.					Y
11	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 RATE OF 120 MG/LITRE, EQUATING TO 120 PPM.
- *ENSURE BORE SITE IS LEFT FREE OF ANY CONTAMINANTS OR REFUSE E SERVICE AS REQUIRED NOT AT ANY SPECIFIC FREQUENCY.
REFER TO S24 OR S24AA FOR ROUTINE MAINTENANCE.

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