

SHARPE PPU

Series C100 & D100

Why Use It?

Sucker Rod Pumping Specialists

Safety: elimination of hazards and reduced risk

1. Elimination of hazards associated with working at heights
2. Following tasks can be performed from ground level i.e., without the need for ladders or elevated work platform:
 - Installation of Sharpe PPU well head section
 - Connection of polished rod
 - Adjustment of top sensor (i.e., stroke length)
 - Maintenance of hydraulic cylinder (it can be exchanged without the need to work at heights)
3. Reduction of risk associated with handling by crane - each Sharpe PPU section is less than one tonne resulting in reduced crane size and therefore reduced risk
4. Reduction of risk associated with moving parts; no moving parts other than the reciprocating polished rod



"Rigging up" to lift well head section is done from ground level

Reliability: <1% downtime assures maximum production

Reliability proven by more than one million hours of operation in Australia's Cooper and Surat Basins

Reliability assured by:

- Modular design (see below)
- 100% Australian product support (including Australian design and manufacture)
- 100% attention to product support as the PPU is Sharpe Com Au's core product

Compliance: avoids interruption to work schedules

- Australian design and manufacture assures certified compliance with all relevant, Australian standards

Modular Design

Modular design provides the following benefits:

- Portability
- Economical handling, delivery and installation
- Isolation of engine vibration from other Sharpe PPU sections and therefore protection from vibration induced malfunction

Modular design enables:

- Fuel storage on Sharpe PPU power section - relieves customer of the need to coordinate fuel supply with Sharpe PPU installation
- Speedy Exchange of Sharpe PPU sections in event of malfunction



Modular design isolates vibration



Adjusting top sensor from ground level

Rental: eliminate the need to apply for CAPEX approval - start your project sooner

Sharpe PPU's are available for rent (ex Queensland) enabling you to:

- Access equipment for a short term project or one with high economic risk
- Avoid irregular or unexpected maintenance and repair costs
- Avoid disposing of equipment at the end of the project
- Exchange old for new equipment
- Have the flexibility to change equipment as your needs change
- Minimise insurance schedules
- Reduce CAPEX
- Minimise tax payable

Portability: economical handling

The Sharpe Portable Pumping Unit can be:

- Economically delivered to and installed on Australia's remote petroleum basins
- Installed or removed with a cargo crane mounted on the delivery vehicle
- Installed or removed in less than 4 hours
- Transferred economically from well to well for production testing
- Installed without site preparation



Installation by cargo crane

Maintenance Relief

Sharpe Com Au relieves customers of maintenance issues by providing:

- 100% maintenance (regular and irregular)
- Trained service crew
- Specialised service vehicles
- Complete service records
- Reserve Sharpe PPU sections (for speedy exchange in event of malfunction)



A technician conducts maintenance with the aid of specialised service truck

Production Optimisation

- Sharpe Com Au provides reserve power source sections to cater for changing pumping parameters
- The Sharpe PPU can be used to increase the compression ratio of the sub-surface pump to release or prevent gas locks
- Sub-surface pump performance can be optimised by changing the up and down stroke speeds independently of each other
- It is ideal for marginal wells (where maximum rod life is economically essential) because it can be operated as slowly as necessary to avoid intermittent operation and resulting expenses.
- Well survey equipment can be easily connected to acquire data for electronic dynagraphs and analysis
- The Sharpe can be supplied with integrated rod pump analysis and monitoring equipment

For more information:

Refer to the 'Product Range' and 'How Does It Work' documents; or contact

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Rev. 18/09/2017