SRS – SWARF REMOVAL SYSTEM

Onsite Treatment Technologies

THE SWARF REMOVAL SYSTEM (SRS) IS DESIGNED TO REMOVE METAL SWARF, LARGE PIECES OF CEMENT, PIECES OF CASING, AND OTHER DEBRIS FROM THE CIRCULATING FLUID DURING CASING MILLING OPERATIONS

The process is based on two rotating concentric drums whose axis is tilted at a slight angle to the horizontal (up to 10°). The inner drum has large (10 mm) perforations and the outer drum has replaceable fine mesh panels (typically 3 mm square mesh). The circulating fluid and waste pass through a flow control device into the inner drum. The fluid passes through the perforations and meshes into a collecting tank below the drums and via this tank back to the platform mud circuit. The swarf is retained within the drums, and due to the angle of inclination and the rotation of the drum is caused to travel down the length of the drum exiting the open end and by way of a chute into waste skips for disposal. The equipment once set up and tuned to the flow rate of milling fluid, requires no manual operator intervention other than to replace waste skips as and when filled. Drum tilting and rotation are achieved through a simple hydraulic system from an integral 2.2 kW electro/hydraulic power pack.

There are few points of maintenance and these are designed for ease of access. A comprehensive illustrated manual describes safety, operational adjustments and maintenance.

Onsite Treatment Technologies AS
Skvadronvegen 22, 4050 Sola Norway
Office +47 51 70 97 40

Onsite Treatment Technologies Inc.
801 Seaco Ave. Deer Park TX 77536 USA
Phone +1 (985) 664-7057

sales@ott-as.no www.**ott-as**.no

Onsite Treatment Technologies

TECHNICAL SPECIFICATIONS

HYDRAULIC POWER PACK MOTOR

- Rating 2.2 kW / 3.0 hp 2 pole
- Frame Vertical shaft, flange mounted
- Ex rating and voltage to suit zone of operation

HYDRAULIC PUMP

- Model PLP 10-6.300-81 E1 – LLB/BA-N
- Displacement 6.2 cc / Rev

HYDRAULIC MOTOR

- Model MGLR-125 A25
- Displacement 125 cc / rev

CHAIN DRIVE

- Large sprocket 25 teeth
- Small sprocket 9 teeth
- Drive ratio 2.78:1
- Drum speed 8 - 12 rpm under load

SWARF SEPARATION

- 1st stage Perforated drum, holes Ø=12 mm
- 2nd stage Woven wire screens (6)
- 3 mm x 3 mm aperture (4 mm x 4 mm optional)

DRUM MODULE

- Length 4000 mm
- Width 1500 mm
- Height 1900 mm
- Weight 2250 kg

STANDARD TANK MODULE

- Length 4200 mm
- Width 1500 mm
- Height 1700 mm
- Capacity 1700 mm
- Weight 1500 kg

OPERATING CONDITION

- Length 4200 mm
- Width including access platform 2410 mm
- Height 3800 mm
- Weight including 30 bbl mud @ 1.6 sg 12,000 kg
- Footprint 3000 mm x 1450 mm

NOTE:
These dimensions and weights exclude the discharge pump, supply and discharge pipework, valves etc.