

**SANDVIK DE840/880****MULTI-PURPOSE DRILLING****AT ITS BEST**

# Innovation & Safety

Topdrill's Sandvik multi-purpose DE840/880 rigs perform diamond coring, directional drilling, geotechnical drilling, and rotary mud drilling. Our leet has been upgraded to incorporate the latest in handsfree rod handling solutions.

## SAFETY EQUIPMENT

|                                     |   |
|-------------------------------------|---|
| Multi-point Emergency Stop System   | Reducing hazards to persons, machinery, or work in progress.                      |
| Rod Fall Prevention System          | Reduces potential of rod falling from mast and causing injury.                    |
| Rated FOPS                          | Rated FOPS. Reduces potential of injury occurring as a result of falling objects. |
| Automatic Fire Suppression System   | Automatic or manual activation.   |
| Acoustic Pack                       | Reduces engine noise to 84db max.   |
| Self Bunded Engine & Hydraulic Pack | Reduces risk of hydrocarbon spill causing environmental incident.                 |

## STANDARD DESIGN FEATURES

|                       |   |
|-----------------------|---|
| <b>DRILL MAST</b>     | <ul style="list-style-type: none"> <li>• 12.3m (40'4") long</li> <li>• 1300mm (4'3") hydraulic mast dump</li> </ul>   |
| <b>ROTATION HEAD</b>  | <ul style="list-style-type: none"> <li>• High/low manual gear change</li> <li>• 73-200rpm in low gear</li> <li>• 550-1500rpm in high gear</li> <li>• Floating spindle 50mm (2")</li> </ul>  |
| <b>HEAD TRAVERSE</b>  | <ul style="list-style-type: none"> <li>• Max speed of 44.8m/min (147ft/min) up and 29.6m/min (87ft/min) down</li> <li>• Pull down 113kN (25,350lbf)</li> <li>• Pull back 226kN (50,700 lbf)</li> </ul>  |
| <b>WIRELINE WINCH</b> | <ul style="list-style-type: none"> <li>• Capacity of 2000m (6560ft) of 8mm (5/16") or 2500m (8200ft) of 8mm (5/16" wire rope)</li> <li>• Max pull 12.6kN (2800lbf) at 430m/min (1410ft/min) full Drum</li> <li>• Max pull 21.4kN (4800lbf) at 255m/min (835ft/min) bare drum</li> </ul> |
| <b>MOUNTING</b>       | <ul style="list-style-type: none"> <li>• Mounted on a 8x8 truck, MAN or Mercedes</li> </ul>   |
| <b>WATER PUMP</b>     | <ul style="list-style-type: none"> <li>• 140L/min (37gpm) at pressures up to 7000kPa (1000psi)</li> </ul>   |
| <b>DIESEL PUMP</b>    | <ul style="list-style-type: none"> <li>• Cummins M11-C300 engine rated at 246kW (300hp) at 2100rpm</li> </ul>   |
| <b>ROD CLAMPS</b>     | <ul style="list-style-type: none"> <li>• One rod clamp supplied for B, N, H and P sizes</li> <li>• Hydraulically operated and self energising</li> <li>• Range from 44.5 to 177.8mm (1 3/4" to 7")</li> <li>• 224mm (8 3/4") rod clamp body opening</li> </ul>                          |
| <b>ROD HANDLING</b>   | <ul style="list-style-type: none"> <li>• DA555 Hands free diamond pipe handler</li> <li>• Remote controlled</li> <li>• Austex hands free hydraulic breakout tool</li> </ul>   |