

# OIL RIG BRAKE DATA SHEET

## (Drawworks, Mobile Service Rigs / Work-over Rigs)

(Specify Metric or Imperial Units)



Customer: \_\_\_\_\_ Date: \_\_\_\_\_ Ref. No. \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Prov./County: \_\_\_\_\_ Zip: \_\_\_\_\_

Attention: \_\_\_\_\_ Tel: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

Type of Rig: \_\_\_\_\_ Qty: \_\_\_\_\_

Prime Mover, Type \_\_\_\_\_ HP \_\_\_\_\_ kW \_\_\_\_\_ RPM \_\_\_\_\_

Joint Length (ft.) \_\_\_\_\_ Joint Weight / Size Lb/ft \_\_\_\_\_ Max Drilling Depth (ft.) \_\_\_\_\_ Block Weight (lb.) \_\_\_\_\_

No. Reeving Parts \_\_\_\_\_ String Lowering Time \_\_\_\_\_ Block Raise Time \_\_\_\_\_ Idle Time (drum @ 0 RPM) \_\_\_\_\_

Brake Type: Main \_\_\_\_\_ Assist \_\_\_\_\_ % Energy to be absorbed by Johnson Brake \_\_\_\_\_

Speed reduction @ braked shaft/drum \_\_\_\_\_ Drum Driven Inhaul RPM \_\_\_\_\_

Drum PD \_\_\_\_\_ Mid-Drum Dia. \_\_\_\_\_ Max. Drum Dia. \_\_\_\_\_ Max. Drum RPM \_\_\_\_\_

Cable Size \_\_\_\_\_ Max. Line Pull \_\_\_\_\_ Max Line Speed \_\_\_\_\_

Max. Load @ Hook \_\_\_\_\_ Max. Speed @ Hook \_\_\_\_\_ Max. Stopping Distance @ Hook \_\_\_\_\_

Total Rotating WK<sup>2</sup>, lb-ft<sup>2</sup>/kg-m<sup>2</sup> \_\_\_\_\_ @ Drum \_\_\_\_\_ @ Brake \_\_\_\_\_

Brake Torque req'd, lb-ft/Nm \_\_\_\_\_ Stopping \_\_\_\_\_ Holding \_\_\_\_\_ Tensioning \_\_\_\_\_

Brake Energy/application, HP/kW: \_\_\_\_\_ for \_\_\_\_\_ sec. **OR** \_\_\_\_\_ Continuous \_\_\_\_\_

Max. No. Brake Applications \_\_\_\_\_ /5 min. \_\_\_\_\_ /hr \_\_\_\_\_ /day \_\_\_\_\_ /year \_\_\_\_\_

Brake Response Times \_\_\_\_\_ sec to set \_\_\_\_\_ sec to stop load \_\_\_\_\_ sec tensioning \_\_\_\_\_

Complete operating cycle of brake \_\_\_\_\_

Number of discs required/allowed/shaft or drum \_\_\_\_\_ Number of calipers/disc \_\_\_\_\_

Location of disc: On Drum \_\_\_\_\_ Drum Spigot \_\_\_\_\_ Coupling Flange \_\_\_\_\_ Other \_\_\_\_\_

Disc O.D. \_\_\_\_\_ Min I.D. \_\_\_\_\_ Thickness \_\_\_\_\_ Mat'l \_\_\_\_\_

Disc Mounting: Plain \_\_\_\_\_ c/w holes \_\_\_\_\_ spigot \_\_\_\_\_ split \_\_\_\_\_

Disc Type: Ventilated \_\_\_\_\_ Solid \_\_\_\_\_ Water Cooled \_\_\_\_\_ Description \_\_\_\_\_

Disc bolts to be supplied \_\_\_\_\_ Diameter \_\_\_\_\_ Length \_\_\_\_\_ Grade \_\_\_\_\_ Qty \_\_\_\_\_

Calipers to be: Air \_\_\_\_\_ Hyd \_\_\_\_\_ applied/spring released **OR** spring-applied Air \_\_\_\_\_ Hyd \_\_\_\_\_ released \_\_\_\_\_

Or Dual Acting (Service and Parking in one Caliper) \_\_\_\_\_ Automatic Lining Wear Adjustment Option \_\_\_\_\_

Limit switches required to indicate release/wear/other \_\_\_\_\_ Qty \_\_\_\_\_ Type \_\_\_\_\_

Non-std. Caliper mat'ls/coatings: \_\_\_\_\_

Codes/Standards: \_\_\_\_\_ F.S. \_\_\_\_\_

Ambient temperature, C°/F° \_\_\_\_\_ Max. \_\_\_\_\_ Min. \_\_\_\_\_ Humidity, % \_\_\_\_\_

Atmosphere/Environment: \_\_\_\_\_

Caliper Mounting Foot//Side/Other: \_\_\_\_\_

Available power: Main \_\_\_\_\_ Volt \_\_\_\_\_ Ph \_\_\_\_\_ Hz; Control \_\_\_\_\_ Volt \_\_\_\_\_ Ph \_\_\_\_\_ Hz

Air - \_\_\_\_\_ psi \_\_\_\_\_ cfm \_\_\_\_\_ kPa \_\_\_\_\_ lpm

Hyd - \_\_\_\_\_ psi \_\_\_\_\_ usgm \_\_\_\_\_ kPa \_\_\_\_\_ lpm

Brake power & Control package required: \_\_\_\_\_

Remarks and Special Considerations: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_