# Swivels: Design, Care & Maintenance

Neal Hamil – JT Miller LLC Patrick Farrell– Brewis Engineering

Paul Eberhart – Western Rubber & Manufacturing



- 5 JW
- Rig Swivel





- 5.0 DJ
- Rig Swivel



\*
celebrating

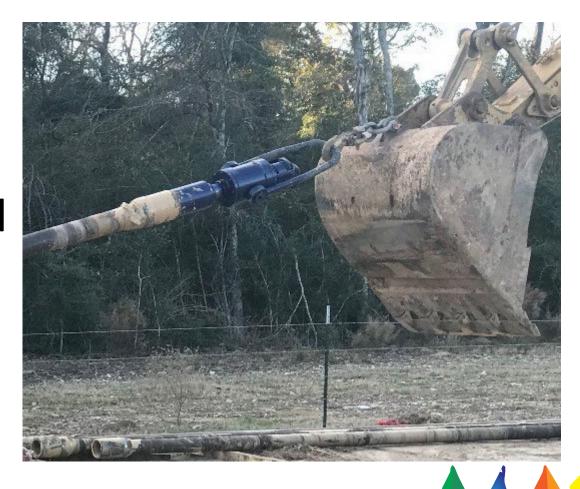
- 40 CH
- Pipeside Swivel
- Pump Through
- No Pull







- 35 DMER
- Pull Rated Pipeside Swivel
- Pump Through





#### **Lock-Out Swivel**

- Rig mounted
- Pull Rated Swivel
- Pump Through





#### **Mud Swivel**

#### Recommended Maintenance

- Greasing Procedure
- Inspection
- Repacking
- Rebuild

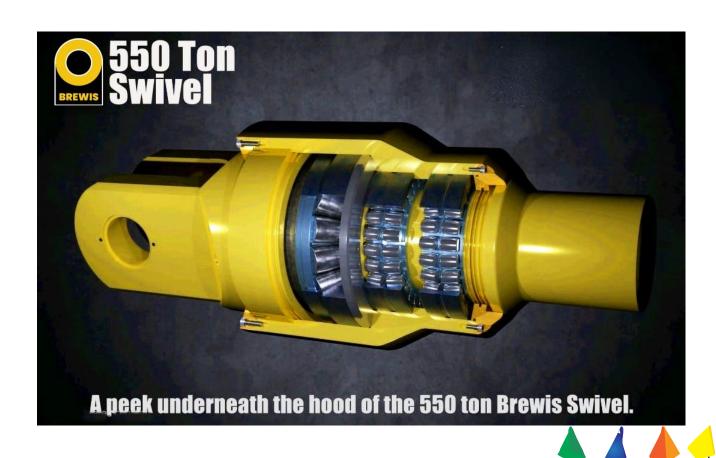




#### The Pull-Back Swivel

- Bearings Not all bearings created equal
- Body and components

   Safety factor and material
- Grease Grade and method of application





### Bearings

- Stated size and Capacity
- This should match the stated capacity of the swivel





March 4-6, 2025 | Houston, TX



#### **Body and Components**

- Machined from solid billet
- No fabrication
- Precise Standardized –
   Reliable
- Safety factor 5:1

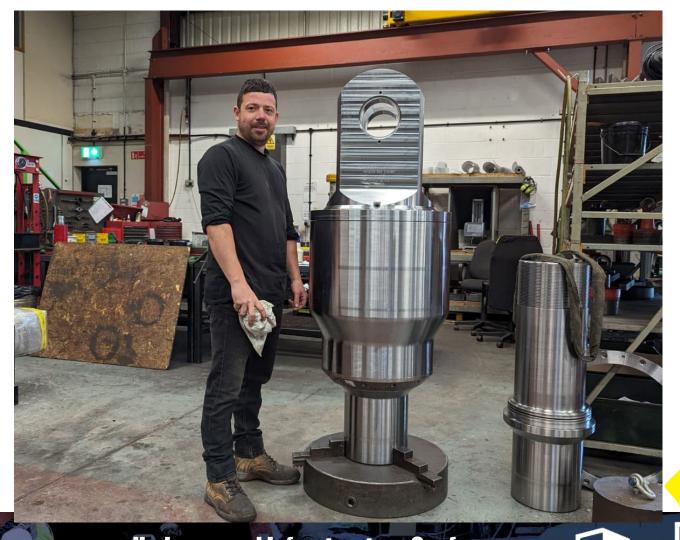






## Grease

- Quantity
- Quality
- Frequency









### Maintenance

- Timing Grease, Dry mud and longevity
- Inspection
- Rebuild and service



# The Pull-Back Swivel Manufacturing











# Questions?