

GEFCO 22

ROTARY TABLE DRILLING RIG



GEFCO 22

The Rotary Table, Multipurpose **GEFCO 22** unit is mounted on a Peterbuilt 6x4 truck with a Cummins ISX diesel engine. All on top of 22,000 lb. front axle with 425/65R22.5 tires mounted on aluminum wheels and tandem 46,000 lb. rear axles with 11R22.5 tires mounted on aluminum wheels. The truck has (2) 100 gallon fuel tanks mounted on each side. The cab is equipped with heat, air, radio and drivers side air suspension seat.

The **GEFCO 22** is PTO powered and geared toward large mud drilling projects, yet is compact enough to get into tight locations. With a maximum hook load of 66,250 lbs. (30,050 kg) and single line pull of 18,000 lbs. (8,164 kg).



CONTROLS: Controls grouped at left side of cab. Includes, drawworks, clutches and brakes, truck and PTO, and pulldown jaw clutch.

INSTRUMENTS AND GAUGES: Located on right side of cab. Includes, position for mounting all gauges, etc. Engine oil pressure gauge, engine starter button, and all engine parameters.



AIR / MUD MANIFOLD: Located on right side of truck. Includes, valves for air and mud system components. Includes, flexible hose at mast base and at top of mast. Ends equipped with the Swivel, ends equipped with the Swivel.



8-1/2" ROTARY TABLE: Consists of spiral bevel gear type rotary table enclosed in oil bath case with 8 1/2" diameter opening (6 1/2" sq. opening with master drive bushing), hydrostatic drive, 4-speed transmission, table mounted in a sliding frame which can be hydraulically retracted 18"; 4 1/4" diameter fluted Kelly with drive keys and bushing, and Kelly mud bucket.

PTO, DRIVE: Enclosed steel gear box, with pressurized lubrication, filtration and cooling. The PTO intersects the truck driveline to enable the unit to be shifted to stationary or highway use. Includes four (4) hydraulic pump drive pads, and a clutch for engaging and disengaging the compressor, when optional equipment requires it.



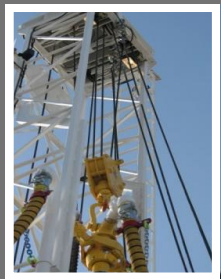
MAST AND CROWN BLOCK: Consists of spiral bevel gear type rotary table enclosed in oil bath case with 8 1/2" diameter opening (6 1/2" sq. opening with master drive bushing), hydrostatic drive, 4-speed transmission, table mounted in a sliding frame which can be hydraulically retracted 18"; 4 1/4" diameter fluted Kelly with drive keys and bushing, and Kelly mud bucket.

DRAWWORKS-HYDROSTATIC CONTROLS: Double Drum. Each drum equipped with two-plate 18" (457 mm) air clutch. Each drum has two (2) 6" x 24" diameter brake bands. One drum used to handle Kelly and swivel and other drum handles drill pipe and tools. Single line pull on bare drum is 18,000 lb. capacity each drum. Each of the main hoist drums equipped with Lebus grooved spoolers. The drawworks is enclosed with shielding at all locations except the entry and exit of the hoisting lines; one for the Kelly and for the main hoist drum.



left rear corner operator's position including master clutch, throttle and rotary table,

Instrument panel located at operator's equipped with, rig functions, light switch, parameter gauges.



SWIVEL: 30KG King Oil Tool swivel with a static capacity of 95,000lbs and a rotating Capacity of 44,000lbs. Five angular Contact bearing, 4 down and 1 up. 3" fluid passage, packing box contains Chevron adjustable packing and Washpipe.

Steel piping 3" installed with manifold connection depending on option chosen. and standpipe allowing it to travel with hobbles.

SPECIFICATIONS

RATINGS

Maximum hook load 66, 250 lbs. (30,050 kg) on bare drum.

FRAME

Structural steel frame complete with mast hinge posts, mast rest and operators platform.

POWER TAKE-OFF

Full torque gear type with helical gear, positive lubrication.

DRAWWORKS

Double drum, each equipped with two-plate air clutch and 6 x 24 (152 mm x 608 mm) double brake band. Single line pull 18, 000 lbs. (8,164 kg) on bare drum.

MAST

35 ft. (10.7 M) working height. Rated gross capacity 111,000 lbs. (50,350 kg).

LIGHTING

Five (5) shockproof 12-Volt lights.

BREAKOUT TONGS

Hinge type with various lug jaws. Fitted for diameters required.

POPULAR OPTIONS

MOUNTINGS

6 x 4 or 6 x 6 Conventional style truck with up to 525 HP.

MUD PUMPS

5 x 6 Piston pump; 5 1/2 x 8 Piston pump; 7 1/2 x 10 Piston pump; 4 x 3 Centrifugal pump, hydrostatic driven.

AIR COMPRESSOR

300 CFM/200 PSI or 500 CFM/200 PSI

ROTARY TABLE

8 1/2 in (215 mm) Retractable; 10 in (254 mm) Retractable or 18 in (457 mm).

PULLDOWN/HOLDBACK

Chain / hydraulic motor feed system with pulldown to 25,000 lbs. (11,340 kg); Holdback to 15,000 lbs. (6,804 kg). Not available with 18 in table.

KELLYS

4 1/4 in dia. x 24 ft. long (108 mm x 7.3 M); 5 in dia. x 24 ft. long (127 mm x 7.3 M)

SWIVEL

2 in (50 mm) or 3 in (76 mm). Others available on request.

MAST EXTENSION

Various lengths available