

# GROUND TEST

## TECHNICAL SPECIFICATIONS SCOUT 2



### OVERVIEW

Scout 2 is a Hydrapower Scout rig mounted on a two wheel drive Hino FC carrier truck. This manoeuvrable and compact rig is capable of carrying out a wide range of testing and sampling in moderately deep geotechnical investigations.

### CAPABILITIES

#### Drilling

- Solid flight augering to 15 m
- Hollow flight augering to 16 m
- 100 mm Ø wash boring to 70 m
- ODEX (HW size) to 15 m
- NMLC coring to 60 m
- NQ wireline coring to 150 m
- HQ wireline coring to 100 m

#### Sampling

- Undisturbed ( $U_{50}$ ,  $U_{63}$ ,  $U_{75}$ )
- Piston
- Well installation

#### In-situ testing

- Standard penetration (SPT)
- Packer (Lugeon)
- Shear vane
- Pressuremeter
- Cone penetration (CPT) to 3.5 t thrust

### OTHER FEATURES

- Very compact truck mounted rig
- Silenced power pack for quiet operation
- Mast can be split in transport position, allowing access to 2.8 m height with removal of exhaust pipe
- Mast can remain split for drilling, allowing rig to work at 5.9 m height
- Locking rear differential
- Hydraulic casing clamp/breakout

### SAFETY

- Safety cage with rotation isolation
- Dual pole battery isolation for rig and carrier truck
- Control panel mounted emergency stop
- Reverse alarm + reverse camera
- Spill kit, first aid kit and fire extinguisher

### BENEFITS

- The compact size of Scout 2 makes it well suited to geotechnical investigations on tight sites
- Efficient mobilisation in metropolitan areas

## RIG SUMMARY

### DIMENSIONS

Width:	2.4 m (excl mirrors)
Length, mast up:	7.2 m
Length, mast down:	8.2 m
Weight:	7.5 t
Height, mast up:	8.9 m
Height, mast split:	5.9 m
Height, mast down:	3.1 m
Work area length:	12.9 m

### RIG SPECIFICATIONS

Engine:	4 cyl Hatz
Rotary drive:	Hydrapower 2 sp 150 rpm + 700 rpm
Winch lines:	1 main @ 4000 kg 3 w/line @ 700 kg
Pull down:	3500 kg
Pull back:	5500 kg
Head stroke:	4.5 m
Mast dump stroke:	N/A
Casing clamp:	Fixed, hydraulic
Breakout spanner:	Hydraulic Stilson
Jack legs:	Four (0.9 m stroke)

### CARRIER TRUCK SPECIFICATIONS

Make/Model:	Hino/FB 4x2
Wheels:	Steel, tubed tyres

### SUPPORT TRUCK SPECIFICATIONS

Make/Model:	Isuzu/NPR200 2x
Wheels:	Steel, tubeless tyres

