

# GROUND TEST

## TECHNICAL SPECIFICATIONS SCOUT 5



### OVERVIEW

Scout 5 is a Hydrapower Scout Mk V rig mounted on a four wheel drive Hino 1322GT carrier truck. This high capacity and powerful rig is capable of carrying out a wide range of testing and sampling in deep geotechnical investigations.

### CAPABILITIES

#### Drilling

- Solid flight augering to 15 m
- Hollow flight augering to 20 m
- 100mm Ø wash boring to 100 m
- ODEX (HW size) to 15 m
- NMLC coring to 70 m
- NQ wireline coring to 350 m
- HQ wireline coring to 250 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 4.5 t thrust

### OTHER FEATURES

- 5.1 m head stroke
- Dump mast for angle drilling up to 45°
- Mine compliant for high pressure air
- Mine compliant alloy rims (non-split type) with tubeless tyres
- High flow radial diaphragm and piston pumps

- Hydraulic casing clamp/breakout spanner

### SAFETY

- Safety cage with rotation isolation
- Dual pole battery isolation for rig and carrier truck
- Control panel and right jack leg mounted emergency stops
- Reverse alarm
- Spill kit, first aid kit and fire extinguisher
- Automatic SPT hammer

### BENEFITS

- The capacity of Scout 5 makes it well suited to large scale geotechnical investigations
- Its four wheel drive carrier truck allows it to access remote sites with unsealed roads and other difficult or hilly terrain
- Efficient mobilisation to remote/regional areas



## RIG SUMMARY

### DIMENSIONS

Width:	2.5 m (excl mirrors)
Length, mast up:	8.3 m
Length, mast down:	10.5 m
Weight:	13.0 t
Height, mast up:	9.0 m
Height, mast split:	N/A
Height, mast down:	3.6 m
Work area length:	14.5 m

### RIG SPECIFICATIONS

Engine:	6 cyl Cummins
Rotary drive:	Hydrapower 2 sp 150 rpm + 700 rpm
Winch lines:	1 main @ 4200 kg 3 w/line @ 780 kg
Pull down:	4500 kg
Pull back:	6500 kg
Head stroke:	5.1 m
Mast dump stroke:	1.8 m
Casing clamp:	Fixed, hydraulic
Breakout spanner:	Hydraulic Stilson
Jack legs:	Four (1.5 m stroke)

### CARRIER TRUCK SPECIFICATIONS

Make/Model:	Isuzu/1322GT 4x4
Wheels:	Alloy, tubed tyres

### SUPPORT TRUCK SPECIFICATIONS

Make/Model:	Isuzu/NPS300 4x4
Wheels:	Steel, tubeless tyres

