



CPT Crawler

all-track vehicle with HYSON 200 kN static cone penetrometer



features

- ideal for rough or soft terrain
- useful for places where ease in manoeuvrability is important
- preferable in cases where the admissible height is limited

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introduction

The CPT Crawler provides the same high production and reliability as the CPT Truck with the advantage of tracks for better manoeuvrability in rough or soft terrain. It may be preferable to a CPT Truck in the following cases:

- less frequent highway moves between jobs and access to heavy rig for highway transport
- sites where the admissible height is limited
- sites where manoeuvrability in rough or soft terrain is important

crawler

Most crawler types, new or used, are suitable for conversion to a CPT unit. The crawler's engine is used for hydraulic power. A.P. van den Berg redesigns the crawler for installation of the CPT work cabin and equipment. Jacking cylinders are installed for raising and levelling the CPT Crawler for operations. Extended cylinders allow up to 1.5 m (5 ft) jacking to back truck or trailer underneath for quick loading. In order to load/unload the crawler a remote control "chest-pack" lets the operator manoeuvre the crawler with a clear view from a safe distance, and also serves for manoeuvring on steep dangerous terrain.



CPT work cabin

A spacious and comfortable CPT work cabin is installed on the crawler to protect the operators and CPT equipment. The crawler's engine is located in a separate compartment with extra insulation for noise reduction. Made of plywood laminates, the cabin is designed for maximum production and features such as work benches, a desk, chairs, cabinets, equipment storage, electric power, internet, heating, remote support, air conditioning, washing, GPS and more. Our cabin designs promote safe operations, offer reduced noise levels and permit high production rates.

HYSON static cone penetrometer

A.P. van den Berg's unique HYSON penetrometer is an H-form twin hydraulic cylinder set. The low position of the upperbeam provides a convenient working height. The piston rods are fixed to the crawler frame: the cylinders move. These safety and efficiency features are found only on the HYSON. The piston rods are hardened, making them practically, if not entirely, maintenance free. The penetrometer is electronically operated by HMI installed in the control console along side of the penetrometer. The console also contains crawler engine controls and the CPT data acquisition system.

quick-acting hydraulic levelling jacks

Three or four hydraulic jacks are mounted to the subframe for raising and levelling the CPT crawler. Operated in the same manner as the penetrometer, the jacks are wireless and to be controlled remotely.

transport truck

The crawler needs a separate transport vehicle to be moved on the road. A simple flatbed or "low-boy" trailer can do the job: but other possibilities, depending on the customer's specific applications include A.P. van den Berg's truck conversion program in which a 8x8 truck becomes a multifunctional "piggy-back" transport/ CPT truck. The truck is provided with a special frame and levelling jacks to perform CPT operations with the CPT Crawler "piggy-backed" on the truck, thus providing more counterweight and saving load/unload time.



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