Using proven technology in innovative ways to produce reliable, productive, cost-effective transport solutions for industry.

**T1050 6x4 Prime Mover-Tractor**

*Caterpillar C18 ACERT™*: Rated at 470kW/630hp

Powerful and robust, the Powertrans T1050 is the ideal haulage solution for mining and remote infrastructure applications.
The Powertrans T1050 Tractor Unit is a product of the adage that necessity is the mother of invention. Worldwide, the ability to haul mine products over long distances at acceptable costs-per-tonne has become an increasing challenge. Multi-trailer road trains are now favoured to haul mine product from the face, pit or stockpile to the ROM or Process Plant. Typically the prime mover for these combinations has been a conventional on-highway road truck with various safety features added to satisfy mining regulations.

**T1050 Features & Benefits**

Powertrans saw the need for a purpose built, robust mine-compatible machine with inherent safety features and ease of maintenance. The Powertrans T1050 has been designed around these parameters and includes these features:

- **Safety**
  - Visibility - centre mounted cab with power mirrors and large windows to allow the operator clear and unrestricted vision.
  - Stairs and walkways - designed to Australian Standards for easy and safe mounting, dismounting and access to service areas.
  - Fire suppression system - optional
  - Lighting package - gives the operator excellent all round clear vision for operation and maintenance.
  - Ergonomic cab - reduces operator fatigue and the associated risk of injury. A buddy/trainer seat is also fitted.
  - Heavy duty air suspension - on front axle to provide optimum ride and comfort as well as durability.

- **Maintenance**
  - Ground Level Central Service Station for fill and evacuation of fluids.
  - Tilting cab and bonnet for full access to engine and transmission.

- **Market Application**
  - The T1050 is ideally suited for hauling multiple trailers, water tanks etc in mining applications. It is fitted with 14.00 R25 tyres which are designed for long distance running at high speeds, unlike the tyres used on larger off highway trucks. The T1050 will be at home in front of a Powertrans Pit Hauler™ as well as other combinations of trailers used in open cut mines. Suitable applications include:
    - Side tipping trailers
    - Belly dump trailers
    - Rear tipping trailers
    - Water trucks
    - Floats
    - Any application where a trailed attachment needs a power source.

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**T1050 Specifications**

- **Engine**
  - Caterpillar C18 ACERT™ – Rated at 470kW/630hp

- **Transmission**
  - Caterpillar CX35 with eight speeds and full electronic control

- **Front and Rear Axles**
  - Drive Axle: Powertrans PDT50, 50T capacity
  - Steer Axle: Meritor FL951, 9T capacity

- **Suspension**
  - Front: Powertrans airbag system, 10T capacity
  - Rear: Walking beam system, 50T capacity

- **Wheels and Tyres**
  - Drive Axle: 12-stud single wedge ring 25 x 10” dismountable drive rims, suitable for 385/95 (or 14.00) R 25 tyres
  - Steer Axle: 10-stud 335 PCD 25 x 10” steel disc rims, suitable for 385/95 (or 14.00) R 25 tyres

- **Chassis**
  - I-Beam construction, rigid design utilising latest high tensile steel technology

- **Fuel Tanks**
  - 1000 (2x500) litre storage with quick-fill

- **Hydraulics**
  - 160 L/min pump system complete with 175 litre tank

- **Cabin**
  - ROPS/FOPS design, Caterpillar 770 model. Air-conditioned with ergonomic seating for 2 and safe side access to cab via stairs. Cab utilises pneumatic tilt, for easy access to transmission and drive line components.

- **Turntable**
  - Powertrans Kingpost rated at 500 kN, HD coupling complete with nylon wear pad

- **Service Brakes**
  - Drive Axle: fully air actuated, Type 36/36 boosters
  - Steer Axle: fully air actuated, Type 24 boosters

Note: Due to Powertrans policy of constant product improvement, specifications may be subject to change without notice.