



The CreepDrive™ system (motor, pump, valve, control unit) can be delivered within 5 days through the Poclain Hydraulics phast@poclain-hydraulics.com



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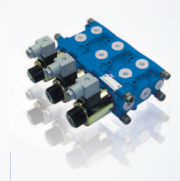
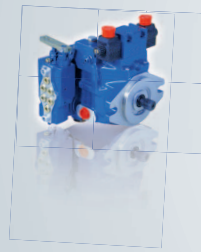
CreepDrive™ system

Need to work at constant slow speed?



POCLAIN HYDRAULICS is specialized in the design, manufacturing and marketing of hydrostatic transmissions. Our success is based on the wide range of products, high quality standard and a strong capacity for innovation. Our world-leading expertise enables us to provide customers with innovative solutions including hydraulic motors, pumps, electronics and valves that enhance vehicle performance, energy savings and safety.

MOTORS • PUMPS • ELECTRONICS • VALVES



For more information, call now: (262) 321 0676

POCLAIN HYDRAULICS Inc, 1300 Grandview Parkway, Sturtevant, WI 53177 - Phone: (262) 321 0676
info-america@poclain-hydraulics.com - <http://www.poclain-hydraulics.com>



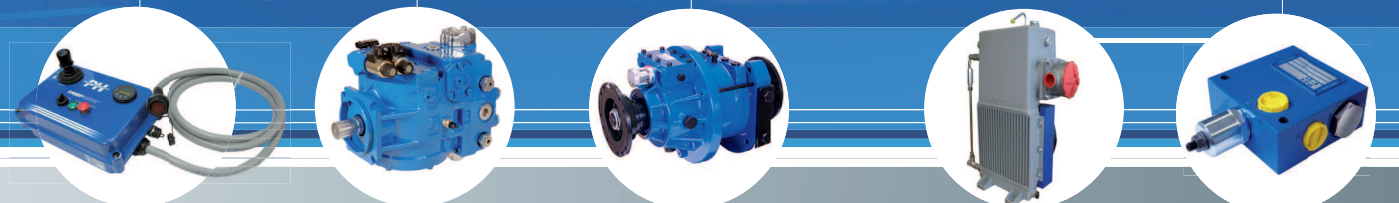
CreepDrive™ system

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The CreepDrive™ System totally designed and manufactured by Poclair Hydraulics is a **hybrid mechanical-hydraulic transmission** for vehicles that travel at normal speeds and work at low speeds.

To work at constant slow speed

- To drive rapidly on the road and work at constant slow speed (0-5 mph)
- Independent of engine speed
- Easy to install
- Light weight
- Saves brake, clutch and transmission wear
- Forward and reverse direction
- Programmable operating system
- Remote control adaptable



The heart of the CreepDrive: CDM 222-050 Hydraulic motor

The CDM 222-050 integrates a cam-lobe radial-piston hydraulic motor that is activated by a pneumatic clutch. Used at speeds lower than 5 mph it delivers 54 HP at maximum power, with a displacement of up to 1000 cc. Being compact and lightweight (275 lbs) it can easily be inserted onto transmission shafts.



CreepDrive Box

The control unit includes the joystick, the display and "stop and start" buttons

P90 Pump

Provides the flow to the hydraulic circuit

CreepDrive Motor

Provides the tractive effort to the shaft

Tank + Cooler + Filter :

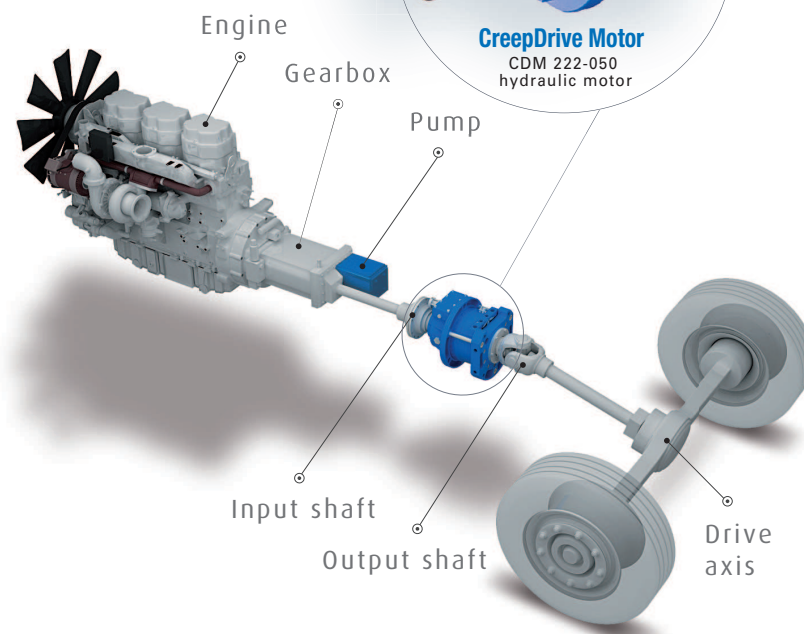
Stores the hydraulic circuit oil. Allows to cool the hydraulic circuit oil

Valves

Allows to deflect a part of oil to the cooling system

How does it operate ?

The vehicle features two independent transmission types: hydrostatic and mechanical. Shifting from one to another is simply done by activating a switch. The mechanical transmission is naturally used for traveling on the road, while its hydraulic counterpart is used for work. The CDM 222-050 motor is at the heart of the system. Mechanically linked to the transmission shaft at its input and output, it is placed between the transmission and the differential. Light and compact package, it can fit every type of transmission. At low speed the electronic control takes care of starting the vehicle smoothly, cruise control and safe braking. This frees the driver's attention from the driving functions and allows him to focus on the quality of his work.



Joystick
Sets the hydraulic motor tractive effort

Display
Provides speed information and CreepDrive state

The advantages of the CreepDrive™ System:

- > Light and compact to fit any mechanical transmission brand.
- > Available as a complete installation kit for quick and simple retrofitting
- > Benefit from a system customized to your needs with no development costs involved and in a very short time frame.

