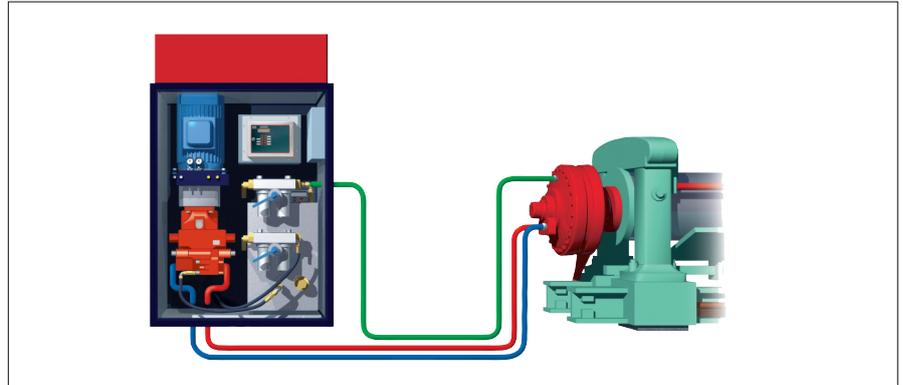


Tough Drives for demanding applications

Direct hydraulic drives

Low speed drives have traditionally been provided by some form of geared reduction with often quite complex arrangements, but now there is an attractive and simple alternative using direct hydraulic drives.

Hagglunds Drives manufacture a very wide range of motors which eliminate the need of gearboxes and present some very interesting benefits on applications like mixers, conveyors and winches. They are compact, simple, highly efficient and user friendly suitable for all environments including ATEX. They give smooth control and can be stopped and started, even reversed as often as you like using the responsive pump control, so you don't have to oversize the electric motor to give high start up torques. There are no costly founda-



A typical Hägglunds Drive consists of a drive motor selected from the wide range available to give the torque required. A power unit with a variable displacement pump/motor set and necessary tank, filters and instrumentation. A control and monitoring unit and the inter piping. The arrangement is versatile and flexible which enables customisation to suit the exact requirements of the application and environment.

tions or alignment problems either. The free standing cabinet style power unit, which can supply several drives can be positioned well away in some

convenient place leaving a very compact drive arrangement with minimal maintenance to do and providing stand-by and redundancy if required.



To maintain the agitator shaft sealings the lightweight compact hydraulic motor is removed with hoses still in place making the procedure simple and much quicker than normal. Full variable speed adds flexibility to the process.



This SMD submarine rescue vehicle launch system uses Hagglunds Viking motor and brake at the winch for superb tension control and the Hagglunds power unit stands close by.



This Amco Birtley belt conveyor is 200m long with speed range up to 2.5m/sec and capacity of 3000 tonne/hr of coal from the ship unloaders. Smooth dynamic acceleration and braking is available with loaded conveyor to stop quickly to prevent flooding the downstream conveyors.