ABN 40 005 482 824

UG CV Hydraulics Package (P015)

This Scope of Supply sets out the requirements for the selection, design, supply, manufacture, inspection, testing, quality control, quality assurance, protection, packaging, insurances, statutory compliance, certification, delivery, commissioning and acceptance testing for the Conveyor Hydraulic package to be installed underground at the OZ Minerals Prominent Hill mine.

The Conveyor Hydraulics Package shall be supplied complete, including all ancillary items necessary for complete and proper installation and operation of the equipment.

The Scope of Supply includes, but is not necessarily limited to, the following:

1. One (1) Loading Collection Conveyor hydraulic drive motor assembly, including:
    - hydraulic motor,
    - hollow shaft shrink disc,
    - torque arm,
    - lockable hydraulic isolation manifold.

2. Two (2) Slew Loading Conveyor hydraulic drive motor assemblies, including:
    - hydraulic motor,
    - hollow shaft shrink disc,
    - torque arm,
    - lockable hydraulic isolation manifold.

3. One (1) Slew Loading Conveyor slew cylinder assembly, including:
    - spherical bearing rod and housing ends,
    - rod dust boot,
    - position transducer,
    - lockable hydraulic isolation manifold.

4. One (1) skid mounted, self-contained common hydraulic powerpack to actuate the equipment specified above, including:
    - all electric motors,

- hydraulic pumps,
- valving,
- accumulators,
- filters,
- reservoir,
- integral pipes and hoses,
- heat exchangers,
- instrumentation,
- hydraulic control cards.

5. Programming and setup of the required hydraulic control modules.

6. Control, instrumentation, condition monitoring, protection and emergency field devices including:

   - cabling,
   - support,
   - terminations,
   - glands,

   completely terminated in a local termination box and support.

7. The hydraulic powerpack will have a control panel/junction box. All instruments on the powerpack and panel push buttons will be wired to and terminate within the junction box. Pump control modules and slew cylinder controllers will be mounted within the control panel/junction box. The pump control modules shall hydraulically control the speed of the conveyor drives based on an analogue input (4-20mA) from the Principal's PLC.