

INSTALLATION AND START-UP

1. Check all oil levels - including engine, seal oil reservoir and compressor.
2. Insure that the pump is on level ground and as close to the water source as possible.
3. Check that all belts are tight and that guards are in place.
4. Running pumps in series is not recommended *unless* system has been properly designed hydraulically.
5. If pump is to be run in flooded suction conditions be fully conversant with the principles.
6. Protect the compressor from being flooded. This has the potential to destroy both the compressor and the engine.
7. It is advisable to isolate the priming system, as this will protect the compressor and prevent spillage.
8. In order to allow the pump to work correctly / optimally, observe the following:
9. Insure that the liquid to be pumped is compatible with *all* materials in the pump system that come into contact with the pumpage. This includes all piping, valving, screens and fittings.
10. Suction and discharge piping should be kept as short as possible with the minimum number of bends to reduce friction losses. It is also recommended to use pipe diameters larger than the pump connection sizes.
11. Position suction and discharge hoses to avoid unnecessary loads on the pump end.
12. Sharp bends should be eliminated and protective measures should be taken where hoses come into contact with abrasive surfaces.
13. *Never* use collapsible type hose on the suction side of the pump.
14. Always use a suction strainer. Strainer apertures should not be greater than the solids handling size of the pump.
15. Turn the power unit over before starting to check that the pump is not obstructed and turns freely in the correct direction of rotation
16. Slowly fill the system with fluid
17. For engine starting problems consult the engine manual
18. Never overspeed the engine (see engine manual)
19. Refer to Power-Prime if cold weather conditions are anticipated. Cold weather operating instructions are available.

Once started the compressor will run at the correct speed to prime the pump. Engine speed should be set to meet the requirements of the job at hand. *However, running the diesel at idle for extended periods is not recommended.*

FAILURE TO PRIME - Consult troubleshooting guide.