



NEW TTI VACUUM PUMP START UP PROCEDURES

CHECK OIL LEVEL

Always, when starting a new VP Pump for the first time, or after maintenance or repair, start the VP Pump in the Pressure Mode. CHECK OIL PRESSURE. This will blow any foreign material out and away from the VP Pump heads, instead of sucking it into and contaminating the pump.

DO NOT LET PRESSURE EXCEED 5 PSI DURING THE BREAK IN PERIOD.

With the VP Pump operating in the pressure mode, open the Drain Valves on the Oil Separators, LEP, Scrubber, Bleeder, Inlet and Discharge Valves, one at a time, and blow out and clear any foreign material that might remain after fabrication.

After all components have been purged, reopen Bleeder and Drain Valves. Continue to operate the VP Pump in the Pressure Mode for a minimum of one hour. *DO NOT LET PRESSURE BUILD UP.* Continue to Check VP Pump for Oil Leaks, Temperature, and Oil Pressure. Maintain approximately 1000 RPM. This procedure will help seat the Piston Rings and identify any defects.

Do not operate the VP Pump under pressure until the oil has had the time to circulate throughout the block and heads, and the rings have been partially seated.

Note: If the VP Pump is a little tight, shop air can be circulated through the Water Jackets to maintain or lower the temperature while breaking in the lower end. The ½ inch Injection Valve, located at the back of the Four Way Valve, can also be opened to Inject Fresh Air or a little Oil into Suction Side of the VP Pump.

Always oil every Cylinder before the Pump Heads are installed.