

TECHNICAL BULLETIN

HYDRAULIC PUMP INSTALLATION GUIDE

For optimal pump performance and efficiency, the following steps below must be performed. Failure to follow this guide may cause premature failure and/or damage to the pump. Documentation of the original installation for the pump must be submitted for any warranty consideration.

- Examine the new hydraulic pump to ensure that all critical configurations match your original pump. Example: bolt pattern, shaft type, coupling type, port specifications/orientation and pump rotation “where applicable”.
- Used oil in your hydraulic system must be purged, discarded and system flushed. Reservoir must be cleaned, and any related filters must be replaced.
- Clean premium grade oil will need to be added to your hydraulic system. Refer to your equipment's owner's manual for recommended oil grade and capacity.
- A 10-micron filter should be used at the return line for proper cleanliness of oil.
- Inspect all connection pipes and fittings for any damage or excessive wear. Replace if necessary.
- Install the new pump. Secure all suction and main pressure connections utilizing the proper seal rings (if applicable). Verify the return line is free of restrictions.
- Avoid excessive axial or radial loads on the pump shaft. Ensure proper alignment of pump shaft, keys and gears to mating parts. Do not use any tools to impact the pump. Failure to follow the above will result in premature failure of the pump.
- If possible, run at idle with zero pressure for 5 minutes. The pump should be running freely with no leaks or buildup of heat. After 5 minutes at this setting if no leaks or heat are present, the speed and pressure can be increased to normal settings.