

## Memorandum

**To:** File

**From:** John Sheldon

**cc:**

**Date:** December 16, 2008

**C-FER File:** R006000

**Subject:** Changes in PC-PUMP® v2.71

### Message:

The new version addresses several bugs identified by users and incorporates several new features that increase the software's usability. PC-PUMP v2.71 has the following changes over PC-PUMP v2.701:

- A new Table Viewer, located under the window menu option, has been developed to allow users to quickly see what equipment is available across vendors or to quickly identify equipment of interest using parameters that are not provided in the equipment name.
- A request was made by a user to improve the layout of the comparison table when printing to a PDF file or printer. The layout was modified to have the displayed parameters wrap around on the same page whereas before they were spread horizontally across multiple pages. Also, the output messages are now placed at the bottom of the print out. Finally, the filter option in the comparison table window can be used to only show those parameters of interest to the user.
- As per a request from a user, the size of the pump list in the pump selection window has been increased to allow for easier selection of pumps.
- A new line has been added to the contact mode list in the rod string window to clarify the contact mode. When no rod guides are selected, the only option is 'Couplings Only'. When rod guides are selected, two options are available: 'Rod Guides Only' and 'Couplings and Guides'.
- The pump coupling outside diameter is now checked to ensure that it fits inside the casing. If it does not, a warning is provided in the output messages section of the results window stating that the casing is too small for the coupling diameter. The previous check to ensure that the pump outer diameter fits inside the casing remains.