

API 682 Seal Qualification Certificate

This is to certify that:

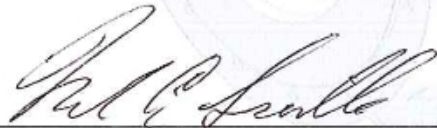
STEIN SEAL COMPANY

1500 Industrial Blvd.
Kulpsville, PA 19443, USA

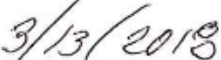
Has designed and successfully tested, on 11/13/2017 and 1/08/2018, the following seals in accordance with the ANSI/API Standard 682 (Fourth Edition, May 2014) and ISO 21049: 2004.

Category 2 and 3, Type C, Arrangement 1 Bellows Seal

The test fluid was hot mineral oil, with a steam quench. These seal designs can now be used in the Non-flashing hydrocarbons from 176 °C to <260 °C, Non-flashing hydrocarbons from 260 °C to 400 °C, Flashing hydrocarbons from 176 °C to <400 °C, and Flashing hydrocarbons from 260 °C to 400 °C as an API 682 qualified seal.



Mark Sanville, Quality Assurance Manager



Date of Issue



STEIN SEAL COMPANY
Nothing Much Gets Past Our Seals®