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Standard features for optimum reliability. api 610 specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines (hprts), for use in petroleum, petrochemical, and gas industry process services. generally, api standards are reviewed and pdf revised, reaffirmed, or withdrawn at least every five years. api 610 requirements. this standard is the most reputable and strictest standard in the field of centrifugal pumps manufacturing but not in all the industries. api- 682 seal chamber enlarged seal chamber fully conforms to api- 610 standards. category: engineering. api 610 is the api standard relating specifically to centrifugal pumps and centrifugal pumping systems. evaluating and using these curves to select the right pump for the duty is crucial, both in meeting the api 610 standard and ensuring the pump runs optimally over its full lifetime. status of the publication can be ascertained from the api standards department, telephone. the american petroleum institute (api) released the 12th edition of api 610, standard for centrifugal pumps for petroleum, petrochemical, and natural gas industries, in january. api standard 610/ isocentrifugal pumps for petroleum, petrochemical and natural gas industries 1 scope this international standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, pdf for use in petroleum, petrochemical and gas industry process services. api 610 11th edition; 218. match case limit results 1 per page. latest i- alert technology optional bluetooth device monitors the health of the equipment, including runtime, temperature, and vibration. it provides design criteria for the design of the actual centrifugal pump, as well as how the centrifugal pump is to be tested, and what type of base it is to be mounted on. technical bulletin. accepts wide range of api- 682 / iso 21049 cartridge mechanical seals. latest i- alert technology bluetooth device monitors the health of the equipment, including runtime, temperature, and vibration. these pumps provide the answer to a wide variety of pumping problems from the most difficult liquefied gases at low temperatures, to equally difficult. renewable throat bushing standard for. rugged casing and baseplate/ pedestal support system provides flange- loading capability exceeding api 610 / iso 13709 requirements without the use of a bearing frame support. api standard 682. this specification defines the technical requirements for the supply of the equipment and is written as an overlay to ansi/ api standard 610, following the api clause structure of the parent standard, to assist in cross- referencing the requirements. fourth edition | may | 256 pages | \$ 255. api 610 performance range these “ heavy duty” centrifugal pumps are designed for high duty industrial services under extreme temperature range from - 100° c up to + 450° pdf c. pumps— shaft sealing systems for centrifugal and rotary pumps. recognized international standard ansi/ api standard 610 11 th edition september centrifugal pumps for petroleum, petrochemical and n atural gas industries, an identical adoption of iso 13709 : with the same title, which is indispensable for the application of this specification. iogp s- 615: supplementary specification to ansi/ api standard 610 for centrifugal pumps. the eleventh edition was identical to the iso 13709 second edition; however, api and iso have decided to no longer “ co- brand” standards and iso 13709 second edition is not being updated. each manufacturers pump has a set of performance curves detailing the head, flow, best efficiency, power and npsH requirements for the api 610 standard pdf pump. upload: atif- mehmoed. a one- time extension of up to two years may be added to this review cycle. this standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines (hprts), for

use in petroleum, petrochemical, and gas industry process services.

proven api 610 nozzle- load design. api standard 610, 10th edition, is technically equivalent to iso 13709. api 610 classifies various types of centrifugal pumps which are primarily divided into three groups: oh, bb and vs. api 610 eleventh edition, centrifugal pumps for petroleum, petrochemical and natural gas industries, is being updated to the twelfth edition. a catalog of api publications and materials is published. the new edition includes several changes and updates, some of which are significant. api 610: this standard has a broader scope and covers various types of pumps, including single- stage, multistage, and vertical pumps.

pumps are one of the most common categories of rotating equipment found in these industries and the american petroleum institute created the api 610 standard for these pumps. full flange rating pressure capability. post on 15- aug-. it also includes more stringent requirements for materials, testing, and operational conditions to meet the challenging demands of the api 610 standard pdf oil and gas industry. this standard specifies requirements and gives recommendations for sealing systems for centrifugal and rotary pumps used in the petroleum, natural gas, and chemical industries.

this article addresses five areas of changes that deal directly with pump reliability and maintainability, along with highlighting other various changes incorporated in api standard 610 12 th edition, centrifugal pumps for petroleum, petrochemical and natural gas industries, published in january. api 610 is applicable to overhung pumps, between- bearings pumps, and vertically suspended pumps (see table 1). api 610 is a standard for centrifugal pumps for petroleum, petrochemical and natural gas industries. users of this international standard should be aware that further or differing requirements may be needed