

### **Filter Separators API/IP 1581 5<sup>th</sup> Edition**

At a recent industry meeting it was agreed that there is a need for some guidance related to the implementation of the latest edition of API/IP 1581.

**This Bulletin is valid with immediate effect but the following key dates should be noted:**

- a) New filter separator vessel purchases shall be specified for 5<sup>th</sup> edition compliance with immediate effect (see item (1) on page 2 for guidance).
- b) Installed 3<sup>rd</sup> edition coalescer elements can continue in service until replacement is required, due to maximum differential pressure or 3 years, but subject to a final change-out date of **June 30, 2008**.
- c) Purchased stocks of 3<sup>rd</sup> edition coalescer elements can be used for replacement purposes until **June 30, 2006**, but subject to a final change-out date of **June 30, 2008**.

At Joint Venture airport locations, any variation of the above dates requires the approval of the international head offices of the participant companies.

#### **Background**

The need to update the 3<sup>rd</sup> edition of API/IP Specification 1581 was identified in the mid 1990s and resulted in the preparation of the 4<sup>th</sup> edition which was published in January 2000 with an effective date of January 2002.

Problems with the specification for the test fuel and particularly for one of the additives required for the qualification procedure led to the effective date for the 4<sup>th</sup> edition being extended to July 31 2003 with 3<sup>rd</sup> edition remaining the "current edition" until that date.

At an API/IP meeting in October 2001 it was agreed to develop a 5<sup>th</sup> edition to replace both 3<sup>rd</sup> and 4<sup>th</sup> editions with an effective date of July 2003.

#### **API 1581 5<sup>th</sup> edition qualification procedures**

API/IP Specification 1581 5<sup>th</sup> edition was published in July 2002. The 5<sup>th</sup> edition refers to recognising the previous edition for one year after publication (ie. until July 2003) but, because of the improved filtration performance, recommends that 5<sup>th</sup> edition elements be qualified and offered as soon as practical.

The qualification of 5<sup>th</sup> edition elements is taking longer than expected. However, some elements manufactured to meet the requirements of 5<sup>th</sup> edition with witness testing by industry approved inspectors are now available from the manufacturers and it is expected that a full range of the commonly used element types will be available later this year.

# Api 1581 5th Edition

**Yicheng Fang**



## Api 1581 5th Edition:

**Handbook of Nonwoven Filter Media** Irwin M. Hutten, 2015-10-24 The Handbook of Nonwoven Filter Media Second Edition provides readers with a fundamental understanding of nonwoven filter media. It is one of the few books dealing exclusively with the subject and is primarily intended as a reference for people in the nonwovens industry and academic researchers, technical marketing and quality control personnel, and universities offering courses in filtration theory and practice and nonwovens technology. The book includes applications for gas, liquid, and engine filtration and identifies the types of filter media used in these applications. The various separation technologies that can be achieved with nonwoven filter media are revealed and discussed. Theoretical presentation is based on flow through porous media and is developed around a nonwoven or engineered fabric's orientation. Presents the latest information on legislative, regulatory, environmental, and sustainability issues affecting the nonwovens and filtration industries. Includes a comprehensive discussion of Computational Flow Dynamics (CFD) by Dr. George Chase, University of Akron, USA. Includes the latest Global and North American marketing statistics for filters and filter media prepared by Brad Kalil of INDA. *Petroleum Review*, 2007. ENR, 2003. **Annual Index/abstracts of SAE Technical Papers**, 2005. **National Geographic Traveler Rome 5th Edition** Michael Brouse, 2020. The National Geographic Traveler guidebooks are in tune with the growing trend toward experiential travel. Each book provides inspiring photography, insider tips, and expert advice for a more authentic, enriching experience of the destination. These books serve a readership of active, discerning travelers and supply information, historical context, and cultural interpretation not available on the Internet. The Eternal City, with its almost three thousand years of history, bears witness to the genius, tenacity, and versatility of a people and a civilization. History and culture, monuments and curiosities, art and tradition. Thanks to a series of recommended itineraries, the reader will be able to explore even hidden corners of the city, taking advantage of the practical information provided. From Piazza di Spagna to the heights of the Palatine, the expert authors guide readers through this vibrantly historical city, offering all the tools needed for planning a trip to this fascinating capital. Starting with an introduction to the history and the culture of Rome, the book explores each and every district of the city, covering every corner in detail. The sites described include the Colosseum, the Arco di Costantino, the Foro Imperiale, the Foro Romano, the Trevi fountain, and the sublime ceiling of the Sistine Chapel in the Vatican Museums. Moreover, the guide presents six detailed guided walks through one of the most charming districts of the city.

*Publications, Programs & Services* American Petroleum Institute, 2005. **Мобильные средства заправки воздушных судов авиационными горюче-смазочными материалами** Юрий Кайзер, 2019-06-28. **Fuels and Lubricants Handbook**, **Specifications and Qualification Procedures for Aviation Fuel Microfilters** Institute of Petroleum (Great Britain), 2002. This publication describes specifications and qualification test procedures for microfilter elements of the disposable cartridge type and separately the manufacturing requirements for new vessels for use in aviation.

jet fuel handling systems It relates only to elements nominally rated within the particle size 1 0 5 0 microns and operating in an out to in flow format This second edition has been prepared to align API and IP perspectives and clarify certain testing requirements The test fuel chemistry has also been changed to align with the 5th edition of API IP 1581 Specification and qualification procedures for aviation jet fuel filter separators It will provide an essential reference for all those involved in the design manufacture supply and operation of microfilters used in jet fuel handling systems **Thomas Register** ,2004

**Production Statistics and Engineering Data: Oil in North Dakota** North Dakota Geological Survey,1963

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