

## **NRR-PMDAPEm Resource**

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**From:** Loeffler, Richard A. [Richard.Loeffler@xenuclear.com]  
**Sent:** Wednesday, July 17, 2013 6:23 PM  
**To:** Beltz, Terry  
**Cc:** Loeffler, Richard A.; Anderson, Marc  
**Subject:** Monticello e-mail RAI response on whether the years listed for ASTM Standards is correct.  
**Attachments:** Response to Questions Concerning ASTM Standards Referenced in Specification 3.doc;  
ASTM References for each Standard Found on the Internet.pdf

**Importance:** High

Terry,

Attached is Monticello's response to the e-mail concerning whether the "years" listed are correct for several ASTM Standards included in the Monticello TS Bases for Specification 3.8.3. Also, a pdf file hi-lited that includes pages from various documents that reference these standards, with the years in question clearly listed and hence valid.

NSPM appreciates the NRC's review and finds it odd that under the "View Historical Standards," page for the ASTM Standards that in some cases these versions of the standards are not listed – hence I believe, your questions. However, when you go on-line you can find references to the "years" for these ASTM Standards that are in question within certifiable sources, such as the Code of Federal Regulations and industry documents.

Based on this Monticello is not proposing to change the years listed in the TS Bases for these referenced ASTM Standards.

Rick Loeffler

**Hearing Identifier:** NRR\_PMDA  
**Email Number:** 795

**Mail Envelope Properties** (C94BB0911B0BF34F9A3D65C7186DD26F03717A49C1)

**Subject:** Monticello e-mail RAI response on whether the years listed for ASTM Standards is correct.  
**Sent Date:** 7/17/2013 6:22:33 PM  
**Received Date:** 7/17/2013 6:22:46 PM  
**From:** Loeffler, Richard A.

**Created By:** Richard.Loeffler@xenuclear.com

**Recipients:**  
"Loeffler, Richard A." <Richard.Loeffler@xenuclear.com>  
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Tracking Status: None

**Post Office:** enex04

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MESSAGE	965	7/17/2013 6:22:46 PM
Response to Questions Concerning ASTM Standards Referenced in Specification 3.doc 34880		
ASTM References for each Standard Found on the Internet.pdf	358552	

**Options**  
**Priority:** High  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
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**Response to Questions Concerning ASTM Standards  
Referenced in Specification 3.8.3**

In the e-mail RAI the staff indicated that four of the ASTM Standards listed in the reference section of the TS Bases for Specification 3.8.3 (see below) could not be confirmed as valid ASTM Standards. The staff's question and Monticello's conclusion as to the validity are presented below.

<u>ASTM Standard</u>	<u>Staff Question</u>	<u>Attached PDF Page</u>	<u>Conclusion</u>	<u>Discussion</u>
D4057-88	Do you mean – 81e2?	Page 2 – 40 CFR 80.8(a) indicates 1988 was the last previous edition.	Valid Ref.	Correct
D445-96	Do you mean – 97?	Page 3 – references 1996.	Valid Ref.	Correct
D93-97	Do you mean – 94?	Page 4 – 40 CFR 89.6(b) references 1997.	Valid Ref.	Correct
D1796-90	Should be cited as D1796-83(1990)e1.	Page 6 – 40 CFR 761.19 – References, indicates that the 1983 standard was re-approved in 1990.	Valid Ref.	Matter of presentation

Note that standards provide a discussion of the nomenclature for determining the year of approval or revision. The following is taken from ASTM D975-91 as representative of the application of the designators:

This standard is issued under the fixed designation D 975; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (e) indicates an editorial change since the last revision or reapproval.

NSPM has checked the ITS conversion documents. These are the ASTM Standards referenced in the conversion.

As indicated above none of the years referenced in the ASTM Standards have been determined to be are editorial / typographical errors based upon their inclusion and reference in certifiable sources such as the various section in the Code of Federal Regulations or with in industry documents.

Therefore, no changes are proposed to the TS Bases.



See other formats

## Full text of "ASTM D4057: Standard Practice for Manual Sampling of Petroleum and Petroleum Products"

\*\*\*\*\*A\*\*\*\*\*

By Authority Of  
THE UNITED STATES OF AMERICA  
Legally Binding Document

By the Authority Vested By Part 5 of the United States Code § 552(a) and Part I of the Code of Regulations § 51 the attached document has been duly INCORPORATED BY REFERENCE and shall be considered legally binding upon all citizens and residents of the United States of America. HEED THIS NOTICE : Criminal penalties may apply for noncompliance.

Document Name: aSTM D4057: Standard Practice for Manual Sampling of Petroleum and Petroleum Products

CFR Section(s): 40 CFR 80.8(a)

Standards Body: American Society for Testing and Materials

4Rth Designation: D 4057 - 95^^  
^E?,, Designation: IMPIMS (Cliapter 8.1)

An American National Standard

Standard Practice for  
Manual Sampling of Petroleum and Petroleum Products^

This standard is issued under the fixed designation D 4057; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (e) indicates an editorial change since the last revision or reapproval.

This test method has been approved by the sponsoring committees and accepted by the Cooperating Societies in accordance with established procedures. This method was issued as a joint ASTM-API standard in 1981.

^\* Note - Editorial corrections were made to 8.3 in November 1997.

### 1. Scope

1,1 This practice covers procedures for manually obtaining representative samples of petroleum products of a liquid, semi-liquid, or solid state whose vapor pressure at ambient conditions is below 101 kPa (14.7 psia). If sampling is for the precise determination of volatility, use Practice D 5842 in conjunction with this practice. For sample mixing and handling of samples, refer to Practice D 5854. The practice does not cover sampling of electrical insulating oils and hydraulic fluids. A summary of the manual sampling procedures and their applications is presented in Table 1.

Note 1 - The procedures described in this method may also be

applicable in sampling most noncorrosive liquid industrial chemicals, provided that all safety precautions specific to these chemicals are strictly followed.

Note 2 – The procedure for sampling liquified petroleum gases is described in Practice D 1265; the procedure for sampling fluid power hydraulic fluids is covered in ANSI B93.19 and B93.44; the procedure for sampling insulating oils is described in Test Method D 923; and the procedure for sampling natural gas is described in Test Method D 1145.

Note 3 – The procedure for special fuel samples for trace metal analysis is described in an appendix to Specification D 2880.

## 2. Referenced Documents

### 2.1 ASTM Standards:

D 86 Test Method for Distillation of Petroleum Products<sup>1</sup>

D217 Test Methods for Cone Penetration of Lubricating

Grease<sup>1</sup>

D244 Test Methods for Emulsified Asphalts<sup>1</sup>

D268 Guide for Sampling and Testing Volatile Solvents

and Chemical Intermediates for Use in Paint and

Related Coatings and Materials<sup>1</sup>

D323 Test Method for Vapor Pressure of Petroleum

Products (Reid Method)<sup>1</sup>

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee D-2 on Petroleum Products and Lubricants and is the direct responsibility of Subcommittee D02.02 on Static Petroleum Measurement (Joint ASTM-API).

Current edition approved Nov. 10, 1995. Published January 1996. Originally published as D 4057 - 81. Last previous edition D 4057 - 88.

<sup>1</sup> Annual Book of ASTM Standards, Vol 05.01,

<sup>1</sup> Annual Book of ASTM Standards, Vol 04.03.

<sup>1</sup> Annual Book of ASTM Standards, Vol 06.04,

D 346 Practice for Collection and Preparation of Coke Samples for Laboratory Analysis<sup>1</sup>

D525 Test Method for Oxidation Stability of Gasoline (Induction Period Method)<sup>1</sup>

D873 Test Method for Oxidation Stability of Aviation Fuels (Potential Residue Method)<sup>1</sup>

D923 Test Method for Sampling Electrical Insulating Liquids<sup>1</sup>

D977 Specification for Emulsified Asphalt<sup>1</sup>

D 1145 Test Method for Sampling Natural Gas<sup>1</sup>

D 1265 Practice for Sampling Liquefied Petroleum (LP) Gases— Manual Method<sup>1</sup>

D 1856 Test Method for Recovery of Asphalt from Solution by Absorption Method<sup>1</sup>

D2172 Test Methods for Quantitative Extraction of Bitumen from Bituminous Paving Mixtures<sup>1</sup>

D2880 Specification for Gas Turbine Fuel Oils<sup>1</sup>

D4177 Practice for Automatic Sampling of Petroleum and Petroleum Products<sup>1</sup>

D4306 Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination<sup>1</sup>

D5842 Practice for Mixing and Handling of Liquid Samples of Petroleum and Petroleum Products

D5854 Practice for Sampling and Handling of Fuels for Volatility Measurements

### 2.2 American National Standards:

B93.19 Standard Method for Extraction Fluid Samples from the Lines of an Operating Hydraulic Fluid Power System (for Particulate Contamination Analysis)

B93.44 Method for Extracting Fluid Samples from the Reservoir of an Operating Hydraulic Fluid Power



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- Sepahan Oil Company / IranOil
- Saudi Arabian / Russian origin

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- Base Oil Bulk supplies : 1,000 – 10,000 MT per month
- Base Oil in Drums and Flexi-tanks : 500 MT +

### Base Oil Supply Procedure

Simple procedure (no PBG, offer or any other documentation)

1. Buyer's enquiry of Quantity and Grade of Base Oil
2. Proforma Invoice is issued to the Buyer
3. Buyer issues LC
4. Delivery/Supply takes place and transaction is completed

### Payment for Base Oil Supply

LC at sight (and in case to case basis LC up to 180-360 days usance may be accepted)

For spot buy 5-20% advance payment against BG/PDC may be required

### Documentation

- Commercial invoice
- Packing list
- Certificate of Origin
- Quantity and quality certificate from SGS/Saybolt or equivalent agency
- Delivery Order/ Bill of Lading

### Delivery

- Within 7-15 days of LC, any UAE PORT
- Other destinations in case to case basis

### Specification of BASE OIL SN-500

ITEM	PHYSICAL PROPERTIES	UNIT	SPECIFICATION	TEST METHOD
1	DENSITY@15°C	KG/M3	885-896	ASTM D4052/96
2	FLASH POINT (MIN)	°C	215	ASTM D92
3	KINEMATIC VISCOSITY @ 40°C	CST	TO BE REPORTED	ASTM D445/96
4	KINEMATIC VISCOSITY @100°C	CST	11-12	ASTM D445/96
5	VISCISITY INDEX (MIN)	-	88	ASTM D-2270/93
6	POUR POINT	°C	-6	-
7	COLOUR	-	2	ASTM D1500/98
8	WATER CONTENT	PPM	500 (TRACE)	ASTM D97

### Contact MGT Oil LLC

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# Code of Federal Regulations

## Title 40 - Protection of Environment

Volume: 20

Date: 2005-07-01

Original Date: 2005-07-01

Title: Section 89.6 - Reference materials.

Context: Title 40 - Protection of Environment. CHAPTER I - ENVIRONMENTAL PROTECTION AGENCY (CONTINUED). SUBCHAPTER C - AIR PROGRAMS (CONTINUED). PART 89 - CONTROL OF EMISSIONS FROM NEW AND IN-USE NONROAD COMPRESSION-IGNITION ENGINES. Subpart A - General.

### § 89.6

#### Reference materials.

(a) *Incorporation by reference.* The documents in paragraph (b) of this section have been incorporated by reference.

The incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be inspected at US EPA, OAR, 1200 Pennsylvania Ave., NW., Washington, DC 20460, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

[http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

(b) The following paragraphs and tables set forth the material that has been incorporated by reference in this part.

(1) *ASTM material.* The following table sets forth material from the American Society for Testing and Materials which has been incorporated by reference. The first column lists the number and name of the material. The second column lists the section(s) of this part, other than § 89.6, in which the matter is referenced. The second column is presented for information only and may not be all inclusive. Copies of these materials may be obtained from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

Document number and name	40 CFR part 89 reference
ASTM D86-97:	
"Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure"	Appendix A to Subpart D.
ASTM D93-97:	
"Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester"	Appendix A to Subpart D.
ASTM D129-95:	
"Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)"	Appendix A to Subpart D.
ASTM D287-92:	
"Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products" (Hydrometer Method)	Appendix A to Subpart D
ASTM D445-97:	
"Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (the Calculation of Dynamic Viscosity)"	Appendix A to Subpart D.
ASTM D613-95:	
"Standard Test Method for Cetane Number of Diesel Fuel Oil"	Appendix A to Subpart D.
ASTM D1319-98:	

## 40 CFR 761.19 - References.

There are 2 Updates appearing in the Federal Register for *40 CFR 761*. Select the tab below to view, or [View eCFR \(GPOAccess\)](#)

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### § 761.19

#### References.

(a) [Reserved]

(b) **Incorporation by reference.** The following material is incorporated by reference, and is available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

These incorporations by reference were approved by the Director of the Office of the Federal Register. These materials are incorporated as they exist on the date of approval and a notice of any change in these materials will be published in the *Federal Register*. Copies of the incorporated material are available for inspection at the EPA Docket Center (EPA/DC), Rm. 3334, EPA West Bldg., 1301 Constitution Ave., NW., Washington, DC 20460-0001. Copies of the incorporated material may be obtained from the American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

References	CFR Citation
ASTM D 93 – 90 Standard Test Methods for Flash Point by Pensky–Martens Closed Tester	§ 761.71(b)(2)(vi) ; § 761.75(b)(8)(iii)
ASTM D 129–64 (Reapproved 1978) Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)	§ 761.71(b)(2)(vi)
ASTM D 240–87 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuel by Bomb Calorimeter	§ 761.71(b)(2)(vi)
ASTM D 482–87 Standard Test Method for Ash from Petroleum Products	§ 761.71(b)(2)(vi)
ASTM D 524–88 Standard Test Method for Ramsbottom Carbon Residue of Petroleum Products	§ 761.71(b)(2)(vi)
ASTM D 808–87 Standard Test Method for Chlorine in New and Used Petroleum Products (Bomb Method)	§ 761.71(b)(2)(vi)

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ASTM D 923–86 Standard Test Method for Sampling Electrical Insulating Liquids	§ 761.60(g)(1)(ii) ; (g)(2)(ii)
ASTM D 923–89 Standard Methods of Sampling Electrical Insulating Liquids	§ 761.60(g)(1)(ii) ; (g)(2)(ii)
ASTM D 1266–87 Standard Test Method for Sulfur in Petroleum Products (Lamp Method)	§ 761.71(b)(2)(vi)
ASTM D 1796–83 (Reapproved 1990) Standard Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure)	§ 761.71(b)(2)(vi)
ASTM D 2158–89 Standard Test Method for Residues in Liquified Petroleum (LP) Gases	§ 761.71(b)(2)(vi)
ASTM D 2709–88 Standard Test Method for Water and Sediment in Distillate Fuels by Centrifuge	§ 761.71(b)(2)(vi)
ASTM D 2784–89 Standard Test Method for Sulfur in Liquified Petroleum Gases (Oxy–hydrogen Burner or Lamp)	§ 761.71(b)(2)(vi)
ASTM D 3178–84 Standard Test Methods for Carbon and Hydrogen in the Analysis Sample of Coke and Coal	§ 761.71(b)(2)(vi)
ASTM D 3278–89 Standard Test Methods for Flash Point of Liquids by Setaflash Closed–Cup Apparatus	§ 761.75(b)(8)(iii)
ASTM E 258–67 (Reapproved 1987) Standard Test Method for Total Nitrogen Inorganic Material by Modified KJELDAHL Method	§ 761.71(b)(2)(vi)

[47 FR 22098, May 21, 1982, as amended at 49 FR 29067, July 18, 1984; 49 FR 36648, Sept. 19, 1984; 53 FR 10391, Mar. 31, 1988; 53 FR 12524, Apr. 15, 1988; 53 FR 21641, June 9, 1988; 57 FR 13323, Apr. 16, 1992; 59 FR 33697, June 30, 1994; 60 FR 34465, July 3, 1995; 63 FR 35439, June 29, 1998; 64 FR 33759, June 24, 1999; 69 FR 18803, Apr. 9, 2004; 72 FR 57239, Oct. 9, 2007]



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