

CONTEC

Comissão de Normalização
Técnica

SC-22

Utilities Equipment

Oil/Water Separator - Data Sheet

Revalidation

Revalidated on 03/2017.

Oil/Water Separator - Data Sheet

Procedure

This Standard replaces and cancels its previous revision.

The CONTEC - Authoring Subcommittee provides guidance on the interpretation of this Standard when questions arise regarding its contents. The Department of PETROBRAS that uses this Standard is responsible for adopting and applying the sections, subsections and enumerates thereof.

Technical Requirement: A provision established as the most adequate and which shall be used strictly in accordance with this Standard. If a decision is taken not to follow the requirement ("non-conformity" to this Standard) it shall be based on well-founded economic and management reasons, and be approved and registered by the Department of PETROBRAS that uses this Standard. It is characterized by imperative nature.

Recommended Practice: A provision that may be adopted under the conditions of this Standard, but which admits (and draws attention to) the possibility of there being a more adequate alternative (not written in this Standard) to the particular application. The alternative adopted shall be approved and registered by the Department of PETROBRAS that uses this Standard. It is characterized by verbs of a nonmandatory nature. It is indicated by the expression: **[Recommended Practice]**.

Copies of the registered "non-conformities" to this Standard that may contribute to the improvement thereof shall be submitted to the CONTEC - Authoring Subcommittee.

Proposed revisions to this Standard shall be submitted to the CONTEC - Authoring Subcommittee, indicating the alphanumeric identification and revision of the Standard, the section, subsection and enumerate to be revised, the proposed text, and technical/economic justification for revision. The proposals are evaluated during the work for alteration of this Standard.

"The present Standard is the exclusive property of PETRÓLEO BRASILEIRO S.A. - PETROBRAS, for internal use in the Company, and any reproduction for external use or disclosure, without previous and express authorization from the owner, will imply an unlawful act pursuant to the relevant legislation through which the applicable responsibilities shall be imputed. External circulation shall be regulated by a specific clause of Secrecy and Confidentiality pursuant to the terms of intellectual and industrial property law."

CONTEC

Comissão de Normalização
Técnica

SC - 22

Utilities Equipment

Introduction

PETROBRAS Technical Standards are prepared by Working Groups - WG (consisting specialized of Technical Collaborators from Company and its Subsidiaries), are commented by Company Units and its Subsidiaries, are approved by the Authoring Subcommittees - SCs (consisting of technicians from the same specialty, representing the various Company Units and its Subsidiaries), and ratified by the Executive Nucleus (consisting of representatives of the Company Units and its Subsidiaries). A PETROBRAS Technical Standard is subject to revision at any time by its Authoring Subcommittee and shall be reviewed every 5 years to be revalidated, revised or cancelled. PETROBRAS Technical Standards are prepared in accordance with PETROBRAS Technical Standard N-1. For complete information about PETROBRAS Technical Standards see PETROBRAS Technical Standards Catalog.

Foreword

This Standard is the English version (issued in 04/2012) of PETROBRAS N-2024 REV. C 05/2011. In case of doubt, the Portuguese version, which is the valid document for all intents and purposes, shall be used.

1 Scope

1.1 This Standard standardizes Data Sheet form for water/oil separator.

1.2 This Standard applies to projects started from the date of its issuance.

1.3 This Standard only contains Technical Requirements.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document applies.

PETROBRAS [N-381](#) - Execution of Drawing and Other General Technical Documents;

PETROBRAS [N-1521](#) - Identification of Industrial Equipment.

NOTE For documents referred in this Standard and for which only the Portuguese version is available, the PETROBRAS department that uses this Standard should be consulted for any information required for the specific application.

3 General Conditions


3.1 The Data Sheet form is standardized in A4 format in accordance with Annex A of this Standard.


3.2 The Annex applicable to PETROBRAS [N-381](#) shall be used for continuation of any item exceeding Annex A of this Standard.

3.3 To fill the footer and legend of Data Sheet comply with PETROBRAS [N-381](#).

3.4 The identification of the water/oil separator shall be in accordance with PETROBRAS [N-1521](#) and inserted into the field reserved for the name of the equipment (water/oil separator) on the right side.

[illegible]

	DATA SHEET		No.		REV.
					SHEET
	TITLE:				of
OIL/WATER SEPARATOR					
MANUFACTURER:					
MODEL/SERIES:					
1 - AFFLUENT DATA					
AFFLUENT ORIGIN:					
		MAX	NORMAL	MIN	
FLOW RATE (m ³ /h)					
TEMPERATURE (°C)					
OIL CONTENT (ppm)					
SALT CONTENT (ppm)					
SUSPENDED SOLIDS (ppm)					
pH					
OIL VISCOSITY:		SSU @	°C		
WATER VISCOSITY:		CP @	°C		
OIL DENSITY:					
WATER DENSITY:					
SULFIDE CORROSION:		YES <input type="checkbox"/>	NO <input type="checkbox"/>		
CHLORIDE CORROSION:		YES <input type="checkbox"/>	NO <input type="checkbox"/>		
CORROSION BY:					
PARAFFIN OIL:		YES <input type="checkbox"/>	NO <input type="checkbox"/>		
AROMATIC COMPOUNDS:		YES <input type="checkbox"/>	NO <input type="checkbox"/>		
FIBROUS MATERIAL:		YES <input type="checkbox"/>	NO <input type="checkbox"/>		
PRESENCE OF SLUDGE:		YES <input type="checkbox"/>	NO <input type="checkbox"/>		
MAJOR CONTAMINANTS:					
TYPE OF SUPPLY		<input type="checkbox"/> BY GRAVITY			
		<input type="checkbox"/> BY POSITIVE DISPLACEMENT PUMP			
		<input type="checkbox"/> BY CENTRIFUGAL PUMP			
2 - EFFLUENT DATA					
MAX OIL CONTENT (ppm)					
MAXIMUM SUSPENDED SOLID CONTENT (ppm):					
3 - EQUIPMENT DATA					
TYPE OF TANK:		<input type="checkbox"/> CONCRETE		<input type="checkbox"/> METAL ON SKID	
METAL TK ON SKID					
MATERIALS		HULL:			
		SKID:			
		BOLTS:			
		NUTS:			
		JOINTS:			
		OTHER:			
THE INFORMATION CONTAINED IN THIS DOCUMENT IS PETROBRAS PROPERTY AND MAY NOT BE USED FOR PURPOSES OTHER THAN THOSE SPECIFICALLY INDICATED HEREIN. THIS FORM IS PART OF PETROBRAS N-2024 REV. C ANNEX A - SHEET 02/03.					

	DATA SHEET		No.			REV.		
						SHEET		of
	TITLE:	OIL/WATER SEPARATOR						
METAL TK ON SKID (CONTINUED)								
OPERATING WEIGHT (t):				TRANSPORT WEIGHT (t):				
PROJECT STANDARD:								
PAINTING		EXTERNAL:		CORROSION				
		INTERNAL:		ALLOWANCE (mm)				
PIPING MATERIAL:								
NO. OF DUCTS:								
RUNOFF AREA (m ²):								
SEPARATOR INLET AREA (m ²):								
RESIDENCE TIME (min):								
NO. OF REYNOLDS:								
DIMENSIONS (mm):		LENGTH:		WIDTH:		HEIGHT:		
VOLUME OF RECOVERED OIL WELL (m ³):								
VOLUME OF MUD PIT (m ³):								
COATING:								
PLATE DATA		TYPE:		QUANTITY:		TOTAL AREA (m ²):		
		TILT (°):						
		DISTANCE BETWEEN PLATES (mm):						
		DIMENSIONS: (mm):						
		MATERIAL:						
		TRANSPORT WEIGHT (t):						
LIST OF NOZZLES								
POSITION		DIAMETER		PRESSURE CLASS		SERVICE		
SKETCH: <div style="height: 300px; border: 1px solid black; margin-top: 10px;"></div>								
THE INFORMATION CONTAINED IN THIS DOCUMENT IS PETROBRAS PROPERTY AND MAY NOT BE USED FOR PURPOSES OTHER THAN THOSE SPECIFICALLY INDICATED HEREIN.								
THIS FORM IS PART OF PETROBRAS N-2024 REV. C ANNEX A - SHEET 03/03.								

INDEX OF REVISIONS

REV. A

There is no index of revision.

REV. B

Affected Parts	Description of Alteration
	Revalidation

REV. C

[illegible]