# SLOVENSKI STANDARD
# SIST EN 12662-1:2024

**01-september-2024**

**Nadomešča:**
**SIST EN 12662:2014**

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**Tekoči naftni proizvodi - Določanje celokupnih nečistoč - 1. del: Srednji destilati in dizelsko gorivo**

Liquid petroleum products - Determination of total contamination - Part 1: Middle distillates and diesel fuels

Flüssige Mineralölerzeugnisse - Bestimmung der Gesamtverschmutzung in Mitteldestillaten, Dieselkraftstoff und Fettsäure-Methylestern

Produits pétroliers liquides - Détermination de la contamination totale des distillats moyens, des gazoles et des esters méthyliques d'acides gras



**Ta slovenski standard je istoveten z:** **EN 12662-1:2024**

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**ICS:**

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|---|---|---|
| 75.160.20 | Tekoča goriva | Liquid fuels |

**SIST EN 12662-1:2024** **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN 12662-1

June 2024

ICS 75.160.20; 75.160.40

Supersedes EN 12662:2014

English Version

# Liquid petroleum products - Determination of total contamination - Part 1: Middle distillates and diesel fuels

Produits pétroliers liquides - Détermination de la contamination totale - Partie 1 : Distillats moyens et gazoles

Flüssige Mineralölerzeugnisse - Bestimmung der Gesamtverschmutzung - Teil 1: Mitteldestillate und Dieselkraftstoffe

This European Standard was approved by CEN on 8 April 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 12662-1:2024) has been prepared by Technical Committee CEN/TC 19 “Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin”, the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2024, and conflicting national standards shall be withdrawn at the latest by December 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12662:2014.

In comparison with the previous edition, the following technical modifications have been made:

— split of the scope of the previous edition in two parts, with Part 1 covering the middle distillates and the diesel fuels containing up to 30 % (*V*/*V*) of fatty acid methyl ester (FAME) in this document and with Part 2 covering the neat FAME in a separated document;

— update of the precision data following a new statistical analysis [6] of the interlaboratory tests data available without the FAME samples according to EN ISO 4259-1:2017 [4].

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

# Introduction

Excessive contamination in a fuel system can give rise to premature blocking of filters and/or hardware failure, and is therefore undesirable. The determination of the content of undissolved substances, referred to as total contamination, is a way to control this issue.

In the previous version of this method, the scope was covering middle distillates, diesel fuels containing up to 30 % (*V*/*V*) of FAME and neat FAME. It was found that the improvement sought in 2014, give problems in the lab in testing FAME and correlate the results to those obtained with the previous version of the method. A solution has been found, which resulted in splitting the methodology in two parts: to include the previous version as Part 1 and to develop a separate standard for neat FAME as Part 2.