ICS 75.160.20 TECHNICKÁ NORMALIZAČNÁ INFORMÁCIA Február 2021

| TNI | **Automobilové palivá**<br>**Správa o štúdii tendencie upchávania studeného filtra (CS-FBT) metylesterov mastných kyselín (FAME) ako zmesnej zložky motorovej nafty a motorovej nafty obsahujúcej až do 30 % (V/V) FAME** | **TNI**<br>**CEN/TR 17544**<br><br>65 6179 |
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Automotive fuels - Report on studies done on cold soak filter blocking tendency (CS-FBT) on fatty acid methyl ester (FAME) as blend component for diesel fuel, and of diesel fuel containing up to 30 % (V/V) of FAME

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/TR 17544:2020.
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TECHNICAL REPORT

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

# CEN/TR 17544

September 2020

ICS 75.160.20

English Version

# Automotive fuels - Report on studies done on cold soak filter blocking tendency (CS-FBT) on fatty acid methyl ester (FAME) as blend component for diesel fuel, and of diesel fuel containing up to 30 % (V/V) of FAME

Carburants pour automobile - Rapport sur les études relatives à la tendance au colmatage de filtre après macération à froid d'ester méthylique d'acides gras (EMAG) comme composant pour le gazole et de gazole contenant jusqu'à 30 % (V/V) d'EMAG

Kraftstoffe - Bericht über Studien zur cold soak filter blocking tendency (CS-FBT) an Fettsäuremethylester (FAME) als Mischkomponente für Dieselkraftstoff und Dieselkraftstoff, der bis zu 30% (V / V) FAME enthält

This Technical Report was approved by CEN on 7 September 2020. It has been drawn up by the Technical Committee CEN/TC 19.

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# European foreword

This document (CEN/TR 17544:2020) 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.

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# Introduction

As reported in CEN/TR 16982[1], during recent past winters, a wide range of vehicles has been affected in specific European countries and there are possible links with fatty acid methyl esters (FAME) composition, base diesel quality, cold flow additives and oxidation stability effects. In order to solve these issues, some countries have introduced new additional requirements in their national specifications or "best practice" market agreements.

In the UK, developments around the Filter Blocking Tendency test (FBT) has been engaged and in particular a variant of the IP 387[2] with a Cold Soak step (CS-FBT). This work has been exchanged with CEN/TC19 and the CEN/TC19/WG31 has started several studies in order to evaluate the interest of using this method for neat FAME and diesel fuels containing up to 30 % (V/V) of FAME.

This document reports the content of these studies.

# 1 Scope

This document describes the studies executed to develop a method to analyse the filter blocking tendency after a cold soak step of fatty acid methyl ester (FAME) as a blend component for diesel and of diesel fuel containing up to 30 % (*V/V*) of FAME, respectively.

NOTE For the purposes of this document, the term "% (*V/V*)" is used to represent the volume fraction, $\varphi$.

# 2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN