



SLOVENSKI STANDARD
SIST-TP CEN/TR 18172:2025

01-september-2025

Določanje aerobne biološke razgradnje popolnoma formuliranih maziv v vodni raztopini - Preskusna metoda na podlagi maziv, ki porabljajo O₂ - Poročilo o študiji

Determination of aerobic biological degradation of fully formulated lubricants in an aqueous solution - Test method based on O₂-consumption Lubricants - Study report

Bestimmung des aeroben biologischen Abbaus von fertig formulierten Schmierstoffen in wässriger Lösung - Prüfverfahren auf der Grundlage des O₂-Verbrauchs von Schmierstoffen - Studienbericht

<https://standards.iteh.ai>
Document Preview

Ta slovenski standard je istoveten z: CEN/TR 18172:2025

[SIST-TP CEN/TR 18172:2025](https://standards.iteh.ai/catalog/standards/sist/65cbb0e6-dcc8-42e9-a37a-ccc595c32ba5/sist-tp-cen-tr-18172-2025)

<https://standards.iteh.ai/catalog/standards/sist/65cbb0e6-dcc8-42e9-a37a-ccc595c32ba5/sist-tp-cen-tr-18172-2025>

ICS:

75.100	Maziva	Lubricants, industrial oils and related products
--------	--------	--

SIST-TP CEN/TR 18172:2025 en

TECHNICAL REPORT

CEN/TR 18172

RAPPORT TECHNIQUE

TECHNISCHER REPORT

June 2025

ICS 75.100

English Version

Determination of aerobic biological degradation of fully formulated lubricants in an aqueous solution - Test method based on O₂-consumption Lubricants - study report

Bestimmung des aeroben biologischen Abbaus von fertig formulierten Schmierstoffen in wässriger Lösung - Prüfverfahren auf der Grundlage des O₂-Verbrauchs von Schmierstoffen - Studienbericht

This Technical Report was approved by CEN on 25 May 2025. It has been drawn up by the Technical Committee CEN/TC 19.

CEN members are the national standards bodies of 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 United Kingdom.

(<https://standards.iteh.ai>)
Document Preview

[SIST-TP CEN/TR 18172:2025](https://standards.iteh.ai/catalog/standards/sist/65cbb0e6-dcc8-42e9-a37a-ccc595c32ba5/sist-tp-cen-tr-18172-2025)

<https://standards.iteh.ai/catalog/standards/sist/65cbb0e6-dcc8-42e9-a37a-ccc595c32ba5/sist-tp-cen-tr-18172-2025>



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

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

Contents	Page
European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Background	7
5 Principle of biodegradation testing	8
6 Disturbance variables	8
7 Test method EN 17181	9
8 Preparation of the ILS	10
9 Results	12
10 Precision results	18
11 Discussion	19
12 Conclusion and future method development	24
Annex A (informative) Examples of a biodegradation curve	25
Bibliography	26

[SIST-TP CEN/TR 18172:2025](https://standards.iteh.ai/catalog/standards/sist/65cbb0e6-dcc8-42e9-a37a-ccc595c32ba5/sist-tp-cen-tr-18172-2025)

<https://standards.iteh.ai/catalog/standards/sist/65cbb0e6-dcc8-42e9-a37a-ccc595c32ba5/sist-tp-cen-tr-18172-2025>