



MARICHEM T.B.N. TEST KIT™

DESCRIPTION

MARICHEM T.B.N. TEST KIT is specifically developed for the determination of T.B.N.–value (alkalinity) of engine oils. It is an exceptional tool for an engineer onboard when it is necessary to check for additive degradation, additive depletion and oil grade.

MARICHEM T.B.N. test conforms the reproducibility limits of ASTM D2896.

The simplicity and accuracy of the tests provide quick and valuable results.

TEST KIT CONTENTS

The **MARICHEM T.B.N. TEST KIT** consists of the following parts:

A. Accessories

- ◆ Sturdy case.
- ◆ Reaction vessel.
- ◆ Manometer and injection valve for the Reaction vessel.
- ◆ 1ml, 5ml & 10ml graduated plastic syringes with a tip.
- ◆ Magnetic stirrer and magnet. (optional)

B. Reagents

- ◆ 1 pc T.B.N. test solution (500ml)
Order Number: 720211
- ◆ 1 pc Water–free diluent (1000ml)
Order Number: 720111

PACKAGING

Order Number : 720201

Container : Sturdy Case



TESTING PROCEDURE

1. Open the reaction vessel and add 5ml water free diluent using a clean 5ml syringe.
2. Add 10ml of the oil sample into the reaction vessel using a clean 10ml syringe. Add the magnet and close the reaction vessel. Open the valve by turning the base ring counterclockwise to position "O".
3. Fill a clean 10ml syringe with 10ml of the T.B.N. test solution. Insert the syringe into the valve and inject the contents into the reaction vessel.
4. Remove the syringe and wait for 10–15 seconds before closing the valve. Then close the valve by turning the base ring clockwise to position "S" before removing the syringe.
5. In case a magnetic stirrer and a magnet are used place the reaction vessel on the magnetic stirrer and switch the stirrer on. Otherwise, shake by hand. After 15 minutes read off the manometer pressure value and record it. This is the TBN value that must be recorded.



 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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