

TAN + BN Test Kit

Portable mini-lab for testing motor lubricants



The GESERCO TAN + BN Test Kit is a true portable lubricant analysis mini laboratory.

The TAN + BN Test Kit is a stand-alone solution designed for monitoring on the operation site two main characteristics of the lubricant:

- **The lube oil acidity and oxidation (TAN)**
- **The motor lubricating oil alkaline reserve (BN)**

The tests are simple and rapid, and the kit includes comprehensive information allowing the engineer to make immediate decisions for maintaining and safeguarding the Motor.

Acid Index (TAN)

The GESERCO TAN Test Kit allows avoiding the effects of lubricant ageing and oxidation:

- Corroding of metallic components
- Gumming and clamping of lubricated parts
- Production of glaze and sludge in the circuitry

The GESERCO TAN test allows for precisely, simply and quickly monitoring and calculating the TAN value in mg KOH/g at the operation site of the lubricated equipment.

- Application: clear oils & black oils
- Range: 0 to 6 TAN
- Sensitivity: $\pm 0,05$ TAN
- Test duration: 15 minutes

Alkaline Reserve (BN)

The alkaline reserve (Base Number – BN) formulated into engine oils neutralizes the acids produced by the combustion of fuels containing sulfur that could damage the engine.

In service, the BN of the engine oil falls from its original value until it reaches a minimum acceptable level (typically 50% of original value).

GESERCO's state of the art Rapid Oil Test Gauge provides accurate digital measurement of the Base Number (BN) within minutes.

- Ranges: 5 custom ranges between BN 0 & BN 100
- Accuracy: ± 1 BN
- Resolution: 0,1 BN
- Test duration: 3 minutes

Features

The kit is housed in a **strong and light aluminum case**.

Internal foam to secure and protect accessories.

- Dimensions: 53 x 43 x 16 cm
- Weight: 7.5 kg

The kit includes all accessories, reagents and operating manuals for performing and understanding **50 tests**.

Product code

PRODUCT CODE	DESCRIPTION
MT90133	TAN + BN Test Kit Industrial
MT90134	TAN + BN Test Kit Marine
PP9104	Spare pack for TAN test - 50 tests
PP9101	Spare pack for BN test - 50 tests
PP9102	Maintenance pack for Rapid Oil Test Gauge