

Application

The SKF OilCheck TMEH 1 measures the effect of contamination and electro-chemical changes that occur in synthetic and petroleum based oils.

It is especially developed for engine oils but is also suitable for gear and lubrication oils. The OilCheck is a portable instrument which offers a two-minute alternative to lengthy laboratory investigations. At severe changes from a linear degradation of the oil more sophisticated analysis are recommended.

Description

The OilCheck detects and measures the dielectric constant of an oil. By comparing the measurements obtained from used and unused oils of the very same brand,

the SKF OilCheck is able to determine the degree of change in the oil's dielectric constant. Dielectric change is directly related to the degradation and contamination level of the oils and helps the user to optimize intervals between oil changes and to detect increased mechanical wear and loss of the oils lubrication properties. To facilitate trending the instrument is equipped with a numerical read-out. Occurrence of water, anti-freeze, metal particles would all have an instant influence of the dielectric change. Oxidation or build-up of acids would have a more moderate influence of the dielectric constant and so would fuel soot, sludge, dirt and petrol/diesel fuel. The unit comes in a pouch and is supplied with battery.



Technical data

| Designation | TMEH 1 |
|--------------------|---|
| Suitable oil types | Mineral and synthetic oils |
| Repeatability | Better than 5 % |
| Read-out | Numerical value between 0 and 100 + green/red grading |
| Battery | 9V Alkaline IEC 6LR61 |
| Battery lifetime | > 150 hours or 3 000 tests |
| Dimensions | 250 x 95 x 32 mm (9.8 x 3.7 x 1.3 in) |
| Weight | 385 g (14 oz) |

