

Glossary

- SAE:** SAE International, initially established as the Society of Automotive Engineers, is a U.S.-based, globally active professional association and standards developing organization for engineering professionals in various industries. Principal emphasis is placed on transport industries such as automotive, aerospace, and commercial vehicles.
- API:** API stands for the American Petroleum Institute, which is the major United States trade association for the oil and natural gas industry. The API represents about 400 corporations in the petroleum industry and helps to set standards for production, refinement, and distribution of petroleum products. They also advocate on behalf of the industry. One of the most important standards that the API has set is the method used for measuring the density of petroleum. This standard is called the API gravity.
- TBN:** is a measurement of **basicity** that is expressed in terms of the equivalent number of milligrams of **potassium hydroxide** per gram of oil sample (mg KOH/g). TBN is an important measurement in petroleum products, and the value varies depending on its application. TBN generally ranges from 6–80 mg KOH/g in modern lubricants, 7–10 mg KOH/g for general automotive use and 10–15 mg KOH/g for diesel operations. TBN is typically higher for marine grade lubricants, approximately 15–80mgKOH/g, as the higher TBN values are designed to increase the operating period under harsh operating conditions, before the lubricant requires replacement.
- ISO:** the International Organization for Standardization, is an independent, non-governmental organization, the members of which are the standards organizations of the 163^[7] member countries. It is the world's largest developer of voluntary international standards and facilitates world trade by providing common standards between nations. Nearly twenty thousand standards have been set covering everything from manufactured products and technology to food safety, agriculture and healthcare.
- cSt:** A unit of kinematic viscosity, equal to one hundredth of a stokes, or 1 square millimetre per second. Symbol cSt.



ASTM: is an international [standards organization](#) that develops and publishes voluntary consensus technical [standards](#) for a wide range of materials, products, systems, and [services](#). Some 12,575 ASTM voluntary consensus standards operate globally. ASTM, founded in 1898 as the American Section of the International Association for Testing Materials, predates other standards organizations such as the [BSI](#) (1901), [IEC](#) (1906), [DIN](#) (1917), [ANSI](#) (1918), [AFNOR](#) (1926), and [ISO](#) (1947).