**essenza TURBINe range**

<table>
<thead>
<tr>
<th>Top tier</th>
<th>TURBINe LL (Long-life)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra formula</td>
<td>TURBINe Plus</td>
</tr>
<tr>
<td>Premium</td>
<td>TURBINe</td>
</tr>
</tbody>
</table>

100% synthetic, ashless turbine oils for ultimate protection, improved filterability, and extended drain intervals.

Turbine oils formulated with thermally stable base stock and modern additive package for enhanced stability and lasting protection.

Quality products designed to satisfy the demanding requirements of various turbines.

---

**About essenza**

essenza, conceptualised by Italian designers and brought to life by an international network of lubricant specialists, is a versatile brand that symbolise energy, efficiency, excellence and evolution.

essenza is a comprehensive range of premium lubricating oils, greases and related products, positioned at the global lubricants market. Our international technical team bring with them decades of experience in product development and formulations. Therefore, our strength lies in selecting the latest technology available to meet market expectations while our adaptation strategy assures customisation in local markets.

Our carefully selected range is available from ISO 9001 plants in Singapore and Europe and is available in an array of packaging options, to cater for our diverse market demands.

for more information, visit us at [www.essenzalubricants.it](http://www.essenzalubricants.it)
**TURBINEe LL 46**

*essenza TURBINEe LL 46* is a synthetic lubricating oil formulated with thermally stable base stock and advanced additives for its outstanding protection and extended lubricant life. It is designed for use in various modern high output steam, gas, and water turbines which subject to the most severe operating conditions. Engineered with state-of-the-art ashless additive technology, this product offers very high stability, extremely low sludge characteristic, excellent lubricity, contributing to a clean operation with maximum efficiency.

In addition to being recommended for use as a turbine lubricant, *essenza TURBINEe LL 46* can also be used as a circulating oil for bearings, hydraulics, high speed gears, and air compressors etc., where operating conditions which demand longer oil life, high antitrust, antioxidation and water separation properties. Offers excellent lubricity and good heat transfer efficiency.

**Available ISO viscosity grade**

46

**Application and Specification**


---

**essenza turbine oils satisfies and exceeds the demanding requirements of industry standards:**

**Turbine Oil Oxidation Test (TOST) according to ASTM D943**

Longer oxidation intervals means higher oxidation stability, translating into superior turbine protection and extended oil service intervals

---

**TURBINEe Plus series**

*essenza TURBINEe Plus series* is a line of high performance lubricating oils engineered with carefully selected base stock and modern ashless additive package for its improved aging resistance to oxidation and thermal stresses. It satisfies the most severe operation requirement for various high output steam, gas, and water turbines. Compared to conventional turbine oil, this product offers reduced sludge characteristic and prevents filter clogging effectively, translating into a clean and reliable operation.

In addition to being recommended for use as a turbine lubricant, *essenza TURBINEe Plus series* can also be used as a circulating oil for bearings, hydraulics, high speed gears, and air compressors etc., where operating conditions which demand improved oil stability, high antitrust, antioxidation and water separation properties. Offers excellent heat transfer efficiency.

**Available ISO viscosity grades**

32, 46, 68

**Application and Specification**


---

**TURBINEe series**

*essenza TURBINEe series* is a line of premium lubricating oils formulated with carefully selected "highly treated base stock" and additive package for its very high thermal and oxidative stability. It satisfies the most severe operation requirement for various high output steam, gas, and water turbines. With the advanced ashes additive technology, this product offers low carbonisation performance, reducing filter clogging issues and leads to a clean and smooth operation.

In addition to being recommended for use as a turbine lubricant, *essenza TURBINEe series* can also be used as a circulating oil for bearings, hydraulics, high speed gears, and air compressors etc., where operating conditions which demand high antitrust, antioxidation and water separation properties.

**Available ISO viscosity grades**

32, 46, 68, 100

**Application and Specification**

BS 489:1999, DIN 51515-1 L-TD, SIEMENS TLV 9013 04

Additional specifications:

GENERAL ELECTRIC GEK 46506D (ISO VG 32), ALSTHOM HTGD 9017 (ISO VG 32, 46, 68)

Always ensure that high performance turbine oils possess superior characteristics to withstand extreme conditions.

Disclaimer: The graph above is estimated, merely indicative and is strictly for illustration purposes as well as for easy data visualisation. The operating hours also depend on many different factors including but not limited to specific end use conditions and operating parameters, state where the equipment is located and representation of any statistic reported or implied for the improper use of the products and/or information. For verification of the suitability of the products for the required application is the sole responsibility of the user.

The information and packshots contained herein is provided as a guideline and may change without notice. Italco, therefore decline any liability for the improper use of the product information. We suggest that you contact our technicians in order to obtain up-to-date information on product specifications and applications.