

### Typical Properties

Appearance@25°C	Light-colored Liquid
Color,ASTM D1544,Gardner/D1500	≤ 3.0/1.0
Kinematic Viscosity@40°C,cSt	≥ 27
Kinematic Viscosity@100°C,cSt	≥ 5.1
Kinematic Viscosity@-40°C,cSt	≤ 16000
Viscosity Index	135
Density@25°C,Lb/Gal(kg/L)	7.6 (0.900)
Total Acid Value,mgKOH/g	≤ 0.05
Pour Point,°C(°F)	-50 (60)
Moisture Content,%wt	≤ 0.05
Flash Point C.O.C.,°C(°F)	≥ 232 (450)

### Product Description

**Adtec™ 172** is commonly referred to as DTDA that is a dibasic acid ester of isotridecanol and adipic acid. It offers superior oxidation stability, low volatility and excellent low temperature characteristics. **Adtec™ 172** is highly resistant to shear and thermal stress. It has good solvency and exhibits excellent additive compatibility. **Adtec™ 172** was found to be biodegradable according to the European 21 days and EPA 28 days biodegradability tests.

#### Applications:

**Adtec™ 172** has found applications in blends of 2 and 4 stroke engine oils, compressor lubricants, gear oils, hydraulic fluids as well as other industrial applications. Since **Adtec™ 172** is biodegradable, it is suitable for environmentally sensitive applications (e.g. Marine).

Print date: 11-07-25

**Disclaimer:** Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.