



Performance | Sustainability | Technical Excellence | Commercial Scale

BT22

Biosynthetic Technologies' BT22 is a medium viscosity base oil built to deliver optimal performance in lubrication applications to meet our customers' high-quality standards. Our BT22 brings a sustainable and biodegradable option to the market with no compromise in performance. The product is designed at a viscosity that allows the formulation of medium viscosity lubricants or to be mixed with higher/lower viscosity base oils to attain a viscosity profile for use in unique applications. BT22 works well in most lubricant applications to deliver superior oxidative, hydrolytic, and shear stability to handle a variety of harsh environments.

Product Performance Benefits

- Hydrolytically stable
- Oxidatively stable
- Exceptional solvency
- Enhanced lubricity
- Metal surface affinity
- Environmentally friendly

Typical Properties

Property	Method	Units	Result
Kinematic Viscosity, 100°C	ASTM D445	cSt	22
Kinematic Viscosity, 40°C	ASTM D445	cSt	150
Viscosity Index	ASTM D2270	-	170
Pour Point	ASTM D97	°C	-21
Flash Point (Open Cup)	ASTM D92	°C	270
Total Acid Number	ASTM D664	mg KOH/g	0.3
Gardner Color	ASTM D1544	-	4
Water	ASTM D6304	ppm	500
Specific Gravity	ASTM D5355	-	0.92
Biodegradability	OECD 301B	%	79%
Bio-Based Carbon	ASTM D6866	%	86%

Applications

- Gear oil
- Hydraulic fluids
- Metalworking fluids
- TO4 fluids
- Grease
- Industrial lubricants