BT22 Biosynthetic® Base Oil

Delivering innovations for a sustainable future.

BIOSYNTHETIC® TECHNOLOGIES

BT22 is a medium viscosity, lubricant base oil designed specifically to help customers in the lubrication industries meet their production quality standards. This high quality renewable base oil offers exceptional technical performance and environmental benefits.

TECHNICAL PERFORMANCE

- High Oxidative Stability
- Low Volatility
- High Viscosity Index
- Hydrolytic Stability
- Natural Detergency
- Longer Lasting
- Increased Safety
- Fewer Additives Needed
- Increased Stability
- Less Maintenance

ENVIRONMENTAL BENEFITS

- High Biodegradability
- Low Bioaccumulation
- Low Toxicity
- High Bio-Content
- Rapid Breakdown
- Low Environmental Risk
- Reduced Risk to Wildlife
- Renewable Carbon Based

LOW VISCOSITY	BIODEGRADABLE	BIO-BASED
150	79 %	86 %
ISO VG	(OECD 301B)	(ASTM D6866)

APPLICATIONS

Metalworking | Motor Oil | Hydraulic Fluid | Compressor Oil

SEE REVERSE FOR PRODUCT SPECIFICATIONS

For more info contact us at **info@biosynthetic.com** or visit our website: **www.biosynthetic.com**
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REV 1.2 - 1/2020

BT22 Product Specifications

BIOSYNTHETIC® TECHNOLOGIES

PHYSICAL PROPERTIES

Property	Unit	Method	Typical Result*
Viscometrics			
Kinematic Viscosity at 100°C	cSt	D445	22.4
Kinematic Viscosity at 40°C	cSt	D445	157.5
Viscosity Index	–	D2270	170
Cold Temperature			
Pour Point	°C	D97	-21
Volatility			
Flash Point	°C	D92	268
Noack	wt%	ASTM D5800	3.4
Titrations			
Total Acid Number	mg KOH/g	D664	0.2
Others			
Color	–	D1500	1
Water	wt%	D1533	0.1 max
Specific Gravity (15°C)	–	D4052	0.90-0.92
KRL Sheer Stability, 20 hours	% loss	CEC L-45-99	0.30%

*Typical results are provided. To the best of our knowledge, the information is accurate, but given without guarantee. All results are for an unadditized base oil.

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USDA CERTIFIED BIOBASED PRODUCT

ENVIRONMENTAL PROPERTIES

Biodegradability	OECD 301B	79%
Renewable Carbon Content	ASTM D6866	86%
EcoToxicity	OECD 201	>1000 mg/L
	OECD 202	>1000 mg/L
	OECD 203	>1000 mg/L

PERFORMANCE TESTING

4-Ball Wear	ASTM D4172	0.584 mm
4-Ball Weld	ASTM D2783	
Weld Load		160 kgf
Load-Wear Index		27.11 kgf
Oxidative Stability	ASTM D2272	96 min
with Anti-Oxidant		949 min
Hydrolytic Stability	ASTM D2619	
Total Acidity Water Layer		1.6 mg KOH/g