BT22 LP Biosynthetic® Base Oil

Delivering innovations for a sustainable future.

BIOSYNTHETIC® TECHNOLOGIES

BT22 LP - **LOW POUR** - is a medium viscosity, lubricant base oil designed specifically to help customers in the lubrication industries meet their production quality standards in application, where a low pour point is essential. This renewable base oil is 99% bio-based and offers a pour point of **-42**°C.

TECHNICAL PERFORMANCE

- Low Volatility
- High Viscosity Index
- Great Hydrolytic Stability
- Natural Detergency
- Longer Lasting
- Increased Safety
- Fewer Additives Needed
- Less Maintenance
- **Low Pour Point**

ENVIRONMENTAL BENEFITS

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

MED VISCOSITY	BIODEGRADABLE	BIO-BASED
150	84 %	99 %
ISO VG	(OECD 301B)	(ASTM D6866)

APPLICATIONS

- Cold Temperature Applications
- 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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BT22 LP 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	-42
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	84%
Renewable Carbon Content	ASTM D6866	99%
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
Hydrolytic Stability	ASTM D2619	
Total Acidity Water Layer		1.6 mg KOH/g