BT22 Biosynthetic[®] Base Oil

Delivering innovations for a sustainable future.

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.

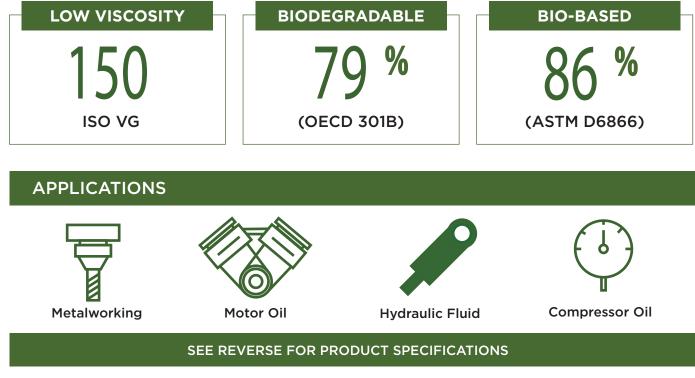
TECHNICAL PERFORMANCE

- High Oxidative Stability
- Longer Lasting
- Low Volatility
- High Viscosity Index
- Hydrolytic Stability
- Natural Detergency
- 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





For more info contact us at **info@biosynthetic.com** or visit our website: **www.biosynthetic.com** Biosynthetic Technologies, LLC. | 6320 Intech Way, Indianapolis, IN 46278 | 317-556-1050 www.linkedin.com/company/biosynthetic-technologies REV 12 - 1/2020

BT22 Product Specifications



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PHYSICAL PROPERTIES

Property	Unit	Method	Typical Result*	Ecolabel www.ecolabel.eu
Viscometrics				
Kinematic Viscosity at 100°C	cSt	D445	21.2	REACH
Kinematic Viscosity at 40°C	cSt	D445	146.5	2002
Viscosity Index	-	D2270	170	* * *
Cold Temperature				
Pour Point	°C	D97	-21	(NSF.)
Volatility				
Flash Point	°C	D92	270	LuSC-
Noack	wt%	ASTM D5800	3.4	Junio List
Titrations				TALAI
Total Acid Number	mg KOH/g	D664	0.3	CENT
Others				A GVCSP01006520V GV
Color	-	D1544	4	
Water	wt%	D6304	0.1 max	
Specific Gravity (15°C)	-	D4052	0.90-0.92	GMO
KRL Shear Stability, 20 hours	% loss	CEC L-45-99	0.30%	USDA CERTIFIED BIOBASED

*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.

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
	0200 200	reee mg/2

PERFORMANCE TESTING

4-Ball Wear	ASTM D4172	0.58 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

Typical properties depicted on this document are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.