# **BT4 Biosynthetic® Base Oil**

## Delivering innovations for a sustainable future.

BT4 is a low 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
  Increased Safety
- Low Volatility
- High Viscosity Index
- Hydrolytic Stability
- Natural Detergency
- Less Maintenance

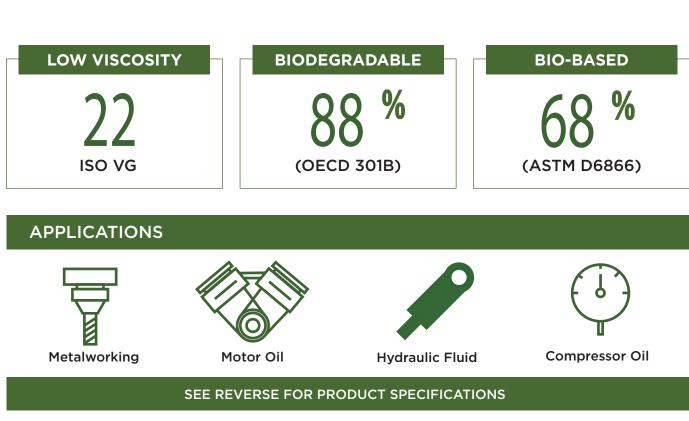
Increased Stability

Fewer Additives Needed

### 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

# **BT4 Product Specifications**



#### PHYSICAL PROPERTIES

Unit	Method	Typical Result*	Ecolabe
cSt	D445	4.7	
cSt	D445	20.7	THE GERMAN
-	D2270	152	REA
			**
°C	D97	-21	*_
			COMPLU
°C	D92	242	UNITED ST
wt%	ASTM D5800	8.3	ENVIRO
			MARATAL PRO
mg KOH/g	D664	0.1	
			(NS
-	D1500	1	
wt%	D1533	0.1 max	LuS
-	D4052	0.90-0.92	
% loss	CEC L-45-99	-2.07%	Lis
	cSt cSt - °C °C wt% mg KOH/g - wt% -	cSt       D445         cSt       D445         -       D2270         °C       D97         °C       D92         wt%       ASTM D5800         mg KOH/g       D664         -       D1500         wt%       D1533         -       D4052	cSt       D445       4.7         cSt       D445       20.7         -       D2270       152         °C       D97       -21         °C       D92       242         wt%       ASTM D5800       8.3         mg KOH/g       D664       0.1         -       D1500       1         wt%       D1533       0.1 max         -       D4052       0.90-0.92

\*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	88%
Renewable Carbon Content	ASTM D6866	68%
EcoToxicity	OECD 201	>1000 mg/L
	OECD 202	>1000 mg/L
	OECD 203	>1000 mg/L

#### PERFORMANCE TESTING

ASTM D4172	0.59 mm
ASTM D2783	
	126 kgf
	14.77 kgf
ASTM D2272	50 min
	1215 min
ASTM D2619	
Total Acidity Water Layer	
	ASTM D2783 ASTM D2272 ASTM D2619

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.