

# BT22 LP Biosynthetic® Base Oil

*Delivering innovations for a sustainable future.*



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

150

ISO VG

### BIODEGRADABLE

84 %

(OECD 301B)

### BIO-BASED

99 %

(ASTM D6866)

## APPLICATIONS



Cold Temperature Applications



Motor Oil



Hydraulic Fluid



Compressor Oil

SEE REVERSE FOR PRODUCT SPECIFICATIONS

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# BT22 LP Product Specifications



## PHYSICAL PROPERTIES

Property	Unit	Method	Typical Result*
<b>Viscometrics</b>			
Kinematic Viscosity at 100°C	cSt	D445	22.4
Kinematic Viscosity at 40°C	cSt	D445	143.9
Viscosity Index	-	D2270	185
<b>Cold Temperature</b>			
Pour Point	°C	D97	-42
<b>Volatility</b>			
Flash Point	°C	D92	290
<b>Titration</b>			
Total Acid Number	mg KOH/g	D664	0.2
<b>Others</b>			
Color	-	D1544	5
Water	wt%	D6304	0.1 max
Specific Gravity (15°C)	-	D4052	0.92-0.94



\*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	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	0.75 mm
4-Ball Weld	ASTM D2783	
Weld Load		200 kgf
Load-Wear Index		35.1 kgf
Hydrolytic Stability	ASTM D2619	
Total Acidity Water Layer		0.1 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.