

# BT75HP Biosynthetic<sup>®</sup> Base Oil

*Delivering innovations for a sustainable future.*



BT75HP is a high 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



### HIGH VISCOSITY

680

ISO VG

### BIODEGRADABLE

76%

(OECD 301B)

### BIO-BASED

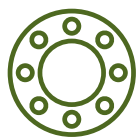
94%

(ASTM D6866)

## APPLICATIONS



Gear Oil



Bearing



Chain Oil



Grease

SEE REVERSE FOR PRODUCT SPECIFICATIONS

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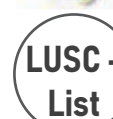
# BT75HP Product Specifications



## PHYSICAL PROPERTIES

Property	Unit	Method	Typical Result*
<b>Viscometrics</b>			
Kinematic Viscosity at 100°C	cSt	D445	78.8
Kinematic Viscosity at 40°C	cSt	D445	695.6
Viscosity Index	-	D2270	197 min
<b>Cold Temperature</b>			
Pour Point	°C	D97	-18
<b>Volatility</b>			
Flash Point	°C	D92	288 oC
<b>Titrations</b>			
Total Acid Number	mg KOH/g	D664	0.3
<b>Others</b>			
Color	-	D1500	2
Water	wt%	D1533	< 0.1
Specific Gravity (15°C)	-	D4052	0.91-0.93
KRL Shear Stability, 20 hours	% loss	CEC L-45-99	0.98%

\*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	76%
Renewable Carbon Content	ASTM D6866	94%
EcoToxicity	OECD 201	>1000 mg/L
	OECD 202	>1000 mg/L
	OECD 203	>1000 mg/L

## PERFORMANCE TESTING

4-Ball Wear	ASTM D4172	0.35 mm
4-Ball Weld	ASTM D2783	
Weld Load		160 kgf
Load-Wear Index		42.06 kgf
Oxidative Stability	ASTM D2272	81
with Anti-Oxidant		1181
Hydrolytic Stability	ASTM D2619	
Total Acidity Water Layer - 144 Hours		Pending

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.