

ELM Bar and Chain Lubricant
Part Number: SL-140
Biodegradable –Biobased Bar & Chain Lube



DESCRIPTION	ELM Biotechbased™ Bar & Chain Oil is a high-quality biodegradable bar and chain saw lubricant formulated with the best optimized biotechnology using USA-grown natural seed oil that surpasses the lubricity of most conventional oils.	
BIOBASED – BIODEGRADABLE-NON- BIOACCUMULATIVE	Based on evaluation of the base oils and the finished products, the ELM biobased products are designed to be biodegradable, aquatically non-toxic, not- bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all of ELM products are subject to the local ordinances and ultimate responsibility for impact remains with the users.	
APPLICATIONS	<ul style="list-style-type: none"> ■ Recommended for use in all types of chain saws ■ Replaces and mixes freely with petroleum-based bar & chain oils ■ Conveyor and lubricating drive chains ■ Suitable for both automatic and manual applications 	
BENEFITS	<ul style="list-style-type: none"> ■ Provides a superior thin film protection on chains and bars ■ Protects all ferrous metal components from rust and corrosion ■ Tackiness agents resist sling-off from high-speed chains ■ Superior lubricity prevents smoking when under load ■ Reduces vibration and noise for smooth chain operation ■ Mostly benign when released into the environment ■ Has superior flash and fire points for increased safety. ■ Meets USDA's proposed Biobased product definition for EO 13101 ■ Meets EPA's Environmental Preferable Purchasing (EPP) criteria ■ Made from renewable USA-grown crop-based oils ■ Meets State of Iowa Senate File – SF 2185 and SF 2249 Purchasing Preference for Biobased Lubricants 	
PERFORMANCE LEVELS	<ul style="list-style-type: none"> ■ Meets the performance requirements of most manufacturers 	
TYPICAL PROPERTIES	SAE Viscosity	40-50
	Viscosity, cSt at 40°C	10-12
	Viscosity Index	205-210
	Flash Point, °C (°F)	214 (417)
	Pour Point, °C (°F)	-19 (-2) to -22 (-7.6)
	Density, pounds per gallon	7.2
	Base Oil Biodegradability – OECD 301	Pass
	Base Oil Aquatic Toxicity – OECD 202	Non-toxic
	Base Oil Plant Toxicity - OECD 208	Non-toxic
PACKAGING	5 Gal. Pails 55 Gal. Drums 275 Gal. Totes	

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