



FORESTRY & WOOD PROCESSING

- high-performance bio-oils for loggers, sawmills and all other forestry and wood processing applications
- superior lubrication, wear & corrosion protection
- unique modern technology - natural adhesion and aging resistance
- meet the strict requirements for environmental excellence (Ecolabel No. CZ/027/001)
- economical consumption (thanks to high lubricity possible savings up to 40% compared to mineral oils)
- enhancing the service-life of equipment, tools and spare parts
- lower operating temperature (recorded bar temperature 12% cooler than premium grade mineral oils)
- universally applicable in summer and winter (field-tested in all conditions)
- environmentally responsible, over 98% biodegradable within 21 days (according to CEC-L-33-A-93 test)
- based on renewable sources (no fossil fuels), positive effect on CO₂ reduction
- non-toxic and user friendly, contact does not lead to health problems

BIPOL (100, 150, 200, 220)

Specially formulated and proven high-performance oils based on rapeseed oil (cold pressed) and modern additives for lubrication all chainsaws and harvester heads.

SAW BLADE & GUIDE OIL

Modern lubricants developed in cooperation with the world's leading wood processing companies to enhance sustainability and sawmill productivity. Naturally tacky readily biodegradable oils for heavy duty lubrication of stationary power saws and cutting equipment in timber processing facilities.

SOL BIOLUBE

Water soluble bio-oils designed for use on saw blades, saw guides & wheels and other lubricating and cooling applications in sawmilling industry.

PARAMETER	BIPOL 100	BIPOL 150	BIPOL 200	BIPOL 220
Density at 15 °C kg/m ³	930	940	951	955
Kinematic Viscosity at 40 °C mm ² /s	100	150	200	220
Viscosity Index	>200	>200	>200	>200
Pour point °C	-30	-30	-30	-30
Flash point, COC °C	>280	>280	>280	>280
Biodegradability (within 21 days) %	>98 %	>98 %	>98 %	>98 %



HYDRAULIC SYSTEMS BIO HYDRAULIC OILS

- fully synthetic hydraulic fluids
- ultimate performance and thermal oxidation stability
- readily biodegradable, formulated with environmentally friendly additives
- extra high Viscosity Index, allowing wide operating temperature range
- neutral to seal materials and elastomers
- improved lubrication and anti-wear protection
- extended oil-change intervals, positive effect on CO₂ reduction
- biodegradability according to OECD 301B and OECD 301D (Ecolabel No. CZ/027/002)
- viscosity grades ISO VG 32, 46, 68, 100

Hydraulic Oil PLUS (HEES)

Fully synthetic high performance hydraulic oil based on a mixture of saturated synthetic esters. Provides improved lubricity and excellent thermal oxidation stability. Hydraulic Oil PLUS offers a wider temperature range and longer oil-change interval. Proven and popularly used in most hydraulic systems.

PARAMETER	PLUS 32	PLUS 46	PLUS 68
Density at 15 °C kg/m ³	960	912	923
Kinematic Viscosity at 40°C mm ² /s	32	46	68
Kinematic Viscosity at 100°C mm ² /s	6,5	9,2	13,5
Viscosity Index	160	190	190
Pour point, (°C)	<-40	<-40	<-40
Flash point, COC °C	>250	>250	>250

Hydraulic Oil PREMIUM (HEES)

Fully synthetic ultimate performance hydraulic oil based on saturated synthetic esters (top-tier esters of the highest quality). Provides excellent high pressure and high temperature properties. Allows extremely long change intervals and often is used as a "lifetime fill". Recommended fluid for the most demanding hydraulic applications. Thanks to its significantly improved flash point, Hydraulic Oil PREMIUM meets also the requirements of the HFDU category.

PARAMETER	PREMIUM 32	PREMIUM 46	PREMIUM 68
Density at 15 °C kg/m ³	915	908	911
Kinematic Viscosity at 40°C mm ² /s	32	46	68
Kinematic Viscosity at 100°C mm ² /s	7,5	9,5	13,1
Viscosity Index	191	196	197
Pour point, (°C)	<-50	<-50	<-50
Flash point, COC °C	>300	>300	>300