

SUSPENSION OIL DATA SHEET

WPL Suspension Oil is a premium quality bio-based suspension oil developed in collaboration with professional mountain bike athletes and world class mechanics. It is designed for use in both forks and shocks. We provide a completely biodegradable product that out performs synthetic and petroleum based suspension oils in performance.

Use WPL Suspension Oil in the quantities specified by your suspension manufacturer. Choose the weight of suspension oil you need based on comparison of declared viscosities (cSt) at 40°C and not the weight (wt).



WPL Suspension Oil Benefits

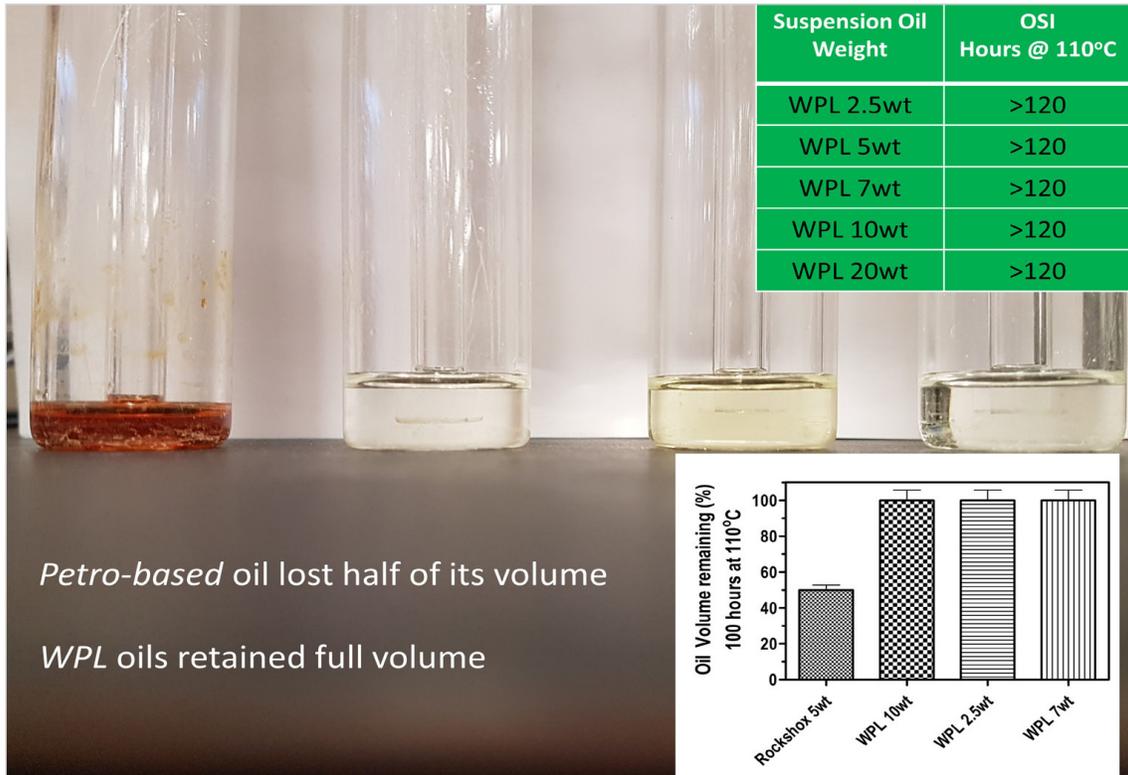
- High oxidative and hydrolytic stability
- Additive-free, extreme lubricity engineered oil
- Biodegradable, non-toxic, petroleum-free, safe for mechanics
- Developed in collaboration with professional riders and mechanics

Technology

WPL Suspension Oil has superior oxidative stability to petro-based oils despite being a bio-based oil. Advanced biotechnology and materials science were harnessed to create a triple ester oil from triglyceride molecules by blending and reacting certain modified vegetable oils, oleochemicals, and antioxidants. This gives the molecules optimal polarity, molecular weight and film-forming ability to bind and coat metal surfaces, providing exceptional lubricity and protection against wear. This results in a very smooth and efficient damping, a long suspension and seal life, with no environmental compromise.

WPL Suspension Oil	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	Viscosity Index
2.5 wt	13.2 cSt	4.1 cSt	250
5 wt	18.3 cSt	5.2 cSt	245
7 wt	25.8 cSt	6.6 cSt	230
10 wt	41.0 cSt	9.1 cSt	213
20 wt	72.8 cSt	11.8 cSt	158

The Viscosity Index improving additives used in petro-based oils, as well as synthetic oil itself, are destroyed during heating. These oils and additives aren't stable at high temperatures under high shear. This could be witnessed in an experiment where a competitor's oil lost half its volume during an Oxidative Stability Index test.



The pictogram below shows WPL's triple ester. Its high polarity allows it to bind to metal surfaces, providing optimal lubricity, anti-wear and corrosion protection.

