



HIGH VISCOSITY OIL COMPONENTS

VOLTRION® synthesized heavy esters are organic or mineral based viscous components for the lubricant and fuel industry to reduce friction and wear, particularly in the fatty boundary regime. They are primarily used as boundary lubricity additive (of the "super-lubricity class" or "surface-gel-forming friction modifiers"). More information about this class of products may be found on our Technical Papers section of www.voltrion.com

Primary use in:

Environmentally considerate (Bio) lubricants
 Gear oils, Hydraulic oils
 Aftermarket & automotive
 Marine oils
 Forming, tapping, drawing, cutting oils, etc..



Nonfood Compounds
 Program Listed: H1
 Registration:

VOLTRION® 5008 (2300 cSt @ 40°C)

viscous base oil, ester-mineral blend

Key functions: highly viscous, super-lubricity, tackiness, oxidation stability, emulsifying capacity, VI >240, dispersion & natural detergency, seal compatibility, excellent thermal & chemical stability, biodegradability >60%

Key applications: most general usage: metalworking, automotive & industrial lubricants, Fuels (diesel, gasoline)

VOLTRION® 2507 (800 cSt @ 40°C), **NSF H-1 & HX-1** approved

100% natural vegetable base oil

Key functions: less viscous, readily biodegradable, super-lubricity, tackiness, shear stability, VI >240, dispersion & natural detergency, seal compatibility. FDA and H-1 approvable

Key applications: gears, greases, metalworking, & industrial lubricants, bio based applications

VOLTRION® 5007 (2300 cSt @ 40°C) **NSF H-1 & HX-1** approved

100% natural vegetable base oil

Key functions: highly viscous, high temperatures, readily biodegradable, super-lubricity, tackiness, oxidation stability, emulsifying capacity, VI >240, dispersion & natural detergency, seal compatibility, excellent thermal & chemical stability, FDA and H-1 approvable

Key applications: greases, metalworking, bio based applications

Overall properties of our products:

- NSF H-1 / HX-1 approved (2507 & 5007)
- 100% viscous vegetable oil (2507 & 5007)
- Non-flammable, non-toxic, no SAPS
- Chemical, solvent and thermal resistant
- Compatibility with metal, plastic, elastomers, and rubbers
- Easily formulated into (finished) lubricants and greases
- Wide operating I range
- Low evaporation loss
- Zero ozone depletion potential (ODP)
- Non volatile organic chemicals (non-VOC)

Generally used with other EP and anti-wear additives to bring an earlier low friction and enter an earlier hydrodynamic regime both at the high and low death points in the engine.

The high lubricity and polarity of this additive leads to better surface finish and extreme dispersion helps to stay in suspension and avoid precipitation, improving colloidal suspension and filtration.

For further information, or to check for country availability, please contact us at +32 486 50 46 46 or email: sales@voltrion.com