



ULTRA LOW-FRICTION BIO BASES & ADDITIVES

HIGH LUBRICITY BIO BASES, ADDITIVES, FORM/RELEASE OILS, EMULSIONS

VOLTRION® combines its proprietary Electro-synthesis technology with other modular processes to create its unique sustainable bases, co-bases and bio-additives. What makes us unique are the ultra-low friction characteristics of our products and the high solvency power in most severely refined base oils.

VOLTRION® additives are ester based building blocks for the lubricant, greases and fuel industry to reduce friction and wear, particularly in the fatty boundary regime. The electric process can also be used to enhance mineral oil performances, especially in terms of viscosity and viscosity index and polarity.

As additives they are primarily used as boundary lubricity additives (of the "super-lubricity class" or "surface-gel-forming friction modifiers") primarily in heavier formulations, gear oils, marine oils as well as process and industrial oils where pre-EP/AW protection is needed.

"UP TO 6X BRIGHTSTOCK VISCOSITY YET BIOBASED"

Illustrative data only, these are not specifications but a set of typical values for familiarization purposes only

Viscous Bio Bases & additives	Viscosity Cst @100°C	Viscosity Cst @40°C	Viscosity Index	Bio-based/ Renewable	Pour point	Flash point	Polarity & Hydrogen bonding	Availability
VOLTRION® 6010	230	4000	>170	>40%	-3	>230	***	*****
VOLTRION® 6007	150	2400	>150	>50%	-6	>250	**	*****
VOLTRION® 5007	295	2400	>250	100%	-6	>250	*****	***
VOLTRION® 5008	295	2400	>250	>=50%	-3	>250	*****	***
VOLTRION® 2507	110	850	>220	100%	-6	>250	*****	***
VOLTRION® 2708	110	1200	>140	>=50%	-6	>250	**	*****
VOLTRION® 2707	110	1200	>140	100%	-6	>250	**	*****
VOLTRION® BBS 150 (Biobrightstock)		400	>120	>98%	-8	>260	***	*****
<i>Illustrative Bright Stock BS-150 (Europe)</i>	30	450	>90	-	-8	>250	*	*****

Industrial Bio bases & Fluids	Viscosity Cst @20°C	Viscosity Cst @40°C	Viscosity Index	Bio-based/ Renewable				Availability
VOLBASE™ 680		680	>200	>98%	-12	>150		*****
VOLBASE™ 320		320	>200	>98%	-12	>150		*****
VOLBASE™ 220		220	>200	>98%	-12	>150		*****
VOLBASE™ 150		150	>140	>98%	-18	>150		*****
VOLBASE™ 22	6	22	>220	>98%	-20	>140		*****
VOLBASE™ 10	3	11	>200	>98%	-20	>150		*****

Ultra-low friction hydrocarbon base oil	Viscosity Cst @20°C	Viscosity Cst @40°C	Viscosity Index	Sustainable/ Renewable				Availability
VOLBASE™ 200R		45	>110	>75%	-12	>150		*****
VOLBASE™ 150R		32	>100	>75%	-12	>150		*****
VOLBASE™ 100R		22	>100	>75%	-12	>150		*****

PRODUCT AVAILABILITY

For product enquiries we encourage you to contact our International sales and customer office in the UK:

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