

TYPICAL PROPERTIES



www.voltrion.com

VOLTRION® synthesized heavy oils 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”) primarily in heavier formulations, gear oils, marine oils as well as process and industrial oils.

More information about this class of products may be found on our Technical Papers section of www.voltrion.com

"MUCH MORE VISCOUS THAN BRIGHTSTOCKS, AND BIO-BASED"

VOLTRION®					
Property		Method	5008	2507	5007
Viscosity at 50°C	mm ² /s	ASTM D445	1510	530	1510
Viscosity at 40°C	mm ² /s	ASTM D445	2400	800	2400
Viscosity at 100°C	mm ² /s	ASTM D445	270	110	270
Density at 20°C	g/cm ³	ASTM D1475	0,91	0.92	0,92
Viscosity Index		ASTM D2270	>255	>240	>260
Color		ASTM D1500	1,5	1	1.5
Appearance			cloudy liquid*	cloudy liquid*	cloudy liquid*
Biodegradability			>60%	100%	100%
Feedstock origin			Mineral/Vegetable	Vegetable	Vegetable
Pour Point °C	°C	ASTM D97	-3	-3	-3
Flash Point °C	°C	ASTM D93	270	295	298
Iodine Number	I2/g	ASTM D1959	45	80	80
Total Acid Number	mg KOH/g	ASTM D664	1.4	2.3	2.3
Saponification Number	mg KOH/g	ASTM D94	90	180	180
Aniline Point	°C	ASTM D911	87	35	35
Refractive Index		ASTM D1747	1.48	1.49	1.49

These are not specifications but a set of typical values for familiarization purposes only.
**Cloudiness disappears when blending at 60°C*

Global availability

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

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WWW.VOLTRION.COM