



A Subsidiary of PETRONAS Chemicals Group

# PRODUCT DATA SHEET

## Viscotech<sup>®</sup> 593L 1300 cSt

Premium, Shear-Stable  
Styrenic Viscosity Modifier

**BRB Lube oil Additives & Chemicals**

P.O. Box 3552 NL - 6017 ZH Thorn  
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[www.brb-international.com/lac](http://www.brb-international.com/lac)

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### Product Description



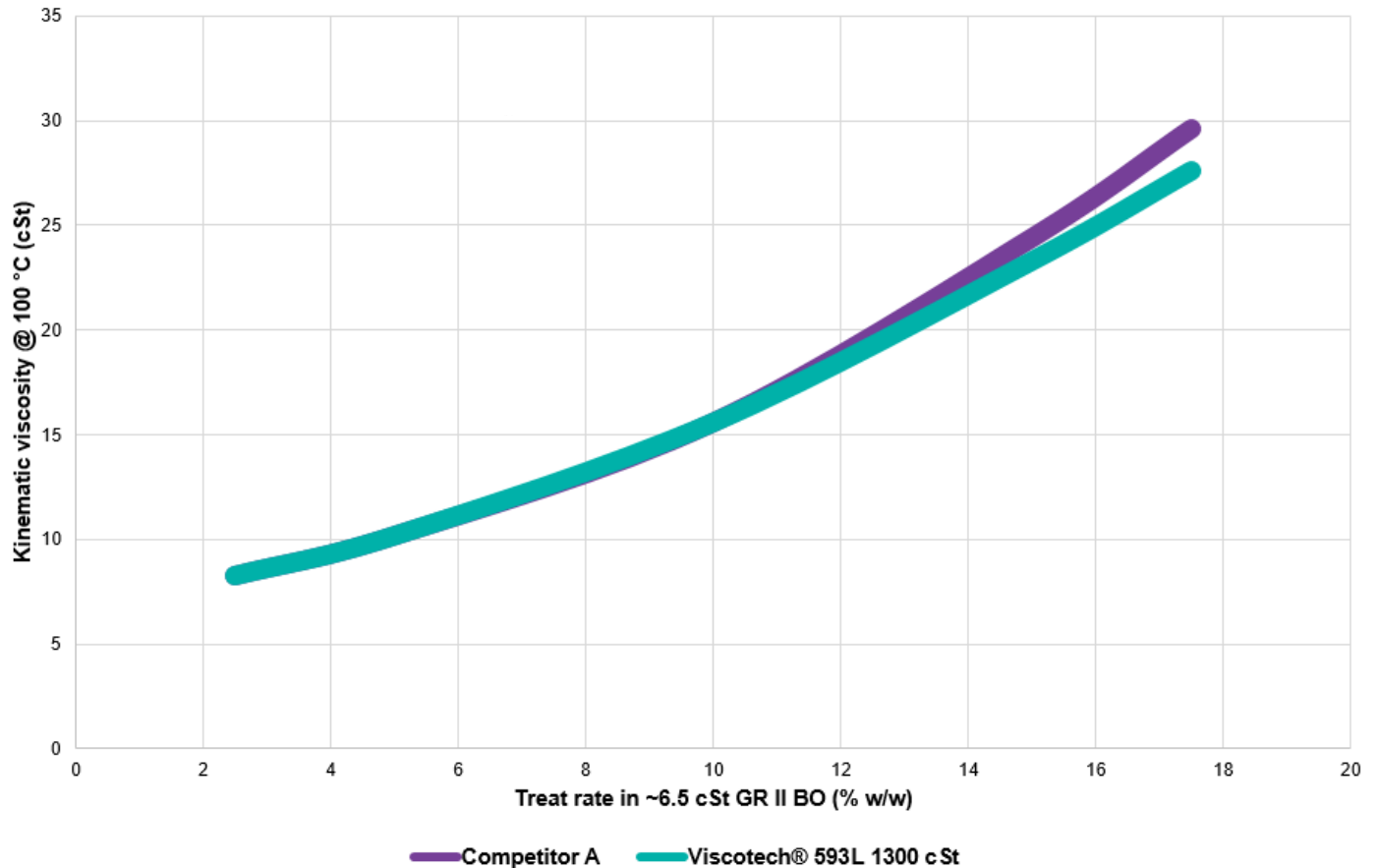
Viscotech® 593L 1300 cSt is a very shear-stable, styrenic viscosity modifier (8 SSI), dissolved in a GR II base oil. This high-quality product is designed for use in the formulation of top-tier, multi-grade diesel/gasoline engine oils living up to the stringent performance requirements of modern passenger and commercial vehicles.

### Benefits

- Strong wear protection, attributable to the polymer's excellent shear stability;
- Great thickening efficiency (TE) performance;
- Enhanced low-temperature operation & optimal high-temperature viscosity contribution throughout the lifespan of the oil;
- Wide coverage of modern automotive requirements;

### Performance

#### Thickening Efficiency



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### Typical Data

Parameter	Method	Unit	Typical
Appearance	Visual	-	Slightly hazy, colourless-to-yellow viscous liquid
Kinematic viscosity @ 100 °C	ASTM D445	cSt	1300
Density @ 15 °C	ASTM D4052	g/cm <sup>3</sup>	0,860
Flash point	ASTM D92	°C	200
Shear Stability Index	ASTM D6278	-	8

### Handling & Storage

Treatment levels depend on the used base stocks. It is recommended to perform a blend study to optimise the viscosity levels.

Minimum loading/unloading/pumping temperature	80 °C
Maximum loading/unloading/pumping temperature	110 °C
Maximum blending temperature	110 °C
Maximum storage temperature	80 °C
Maximum long-term (>2 months) storage temperature	60 °C
Type of pump	positive displacement
Transfer line	insulated, steam traced @ max. 121 °C

An MSDS is available upon request.

All liquid Viscotech® VMs are available in bulk, drums & IBCs.

### FOR MORE INFORMATION

Please contact

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### IMPORTANT NOTICE

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