

## Soltex Bright Stock Replacement – BSR30 *Polymeric Viscosity Modifier*

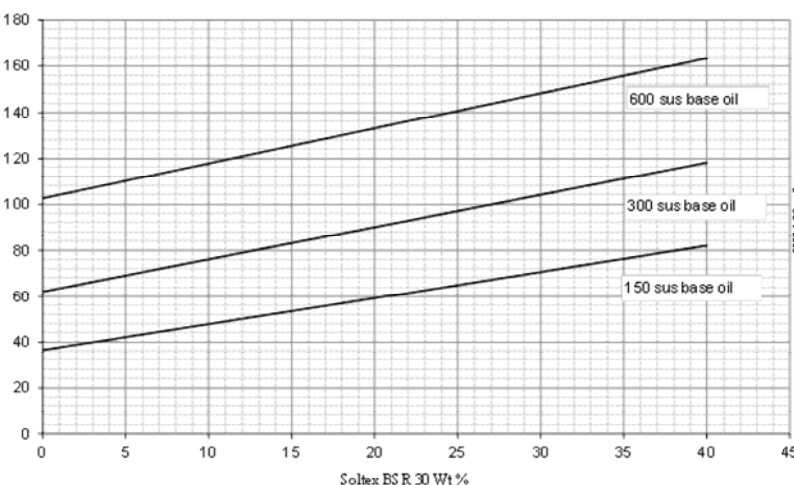
BSR 30 is a polymeric based viscosity modifier developed for use in a wide range of high viscosity, industrial lubricants and as an alternative to 150 bright stock. The fact that 150 bright stock is not produced by the current processes that produce Group II and Group III base oils leads to concerns about its future availability.

### Benefits:

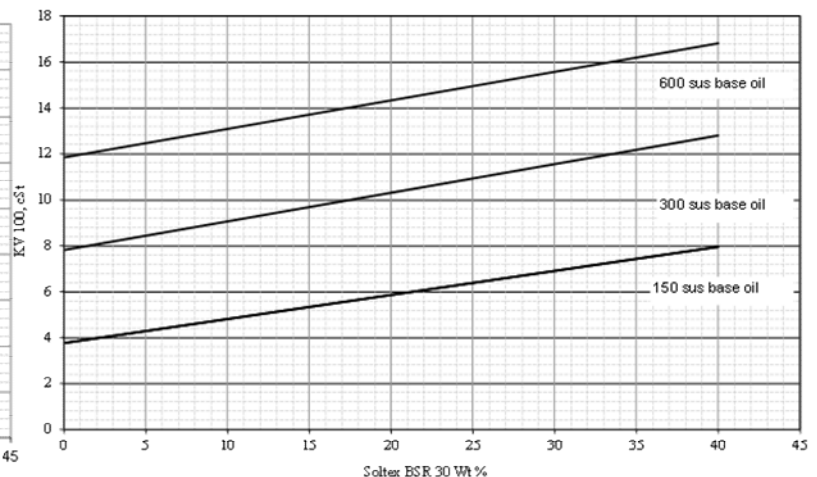
- Excellent thickening allowing for lower treat levels. The attached figures show the viscosities of BSR 30 blends in 150, 300 and 600 SUS base oils at 40 °C and 100 °C. Recommended treat levels are in the range of 5 to 40 % depending on desired viscosity of the finished lubricant.
- High shear stability to resist loss of thickening efficiency and performance during service.
- Superior oxidation resistance compared to bright stock and naphthenic bright stock replacements.
- Lower cost than high viscosity PAO and PAG
- Excellent solubility in all base oils, including synthetics, allowing for good clarity of the finished product.
- Gives greater viscosity index boost to the finished lubricant product than bright stock.

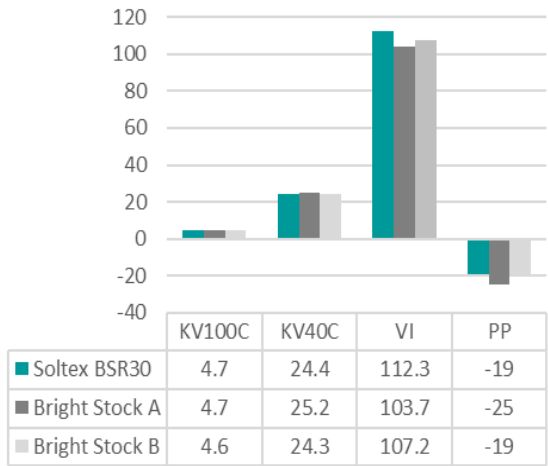
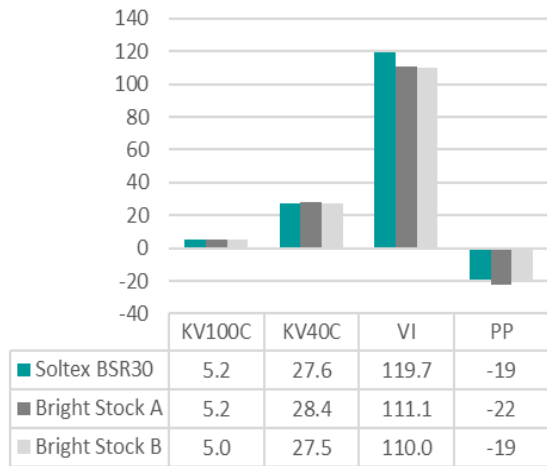
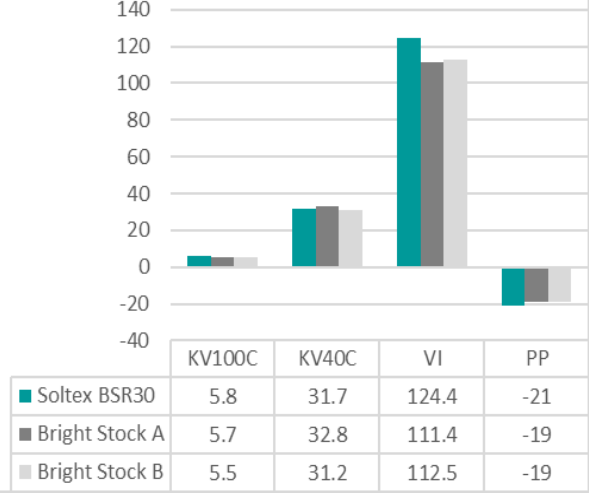
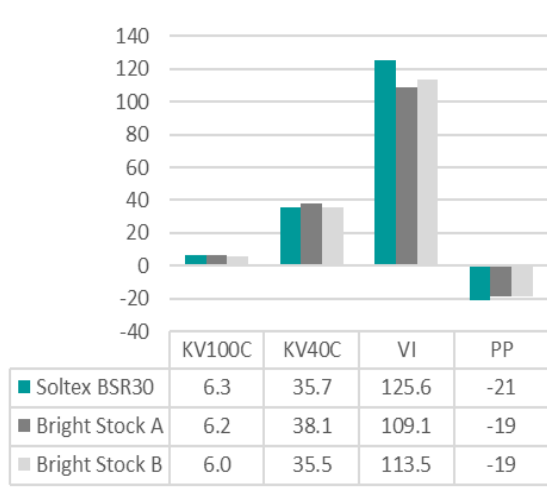
Typical Physical Properties				
Property	Unit	Test Method ASTM	Specifications	Typical Data
Color		D 1500	< 2	1.5
Viscosity, 100 °C	cSt	D 445	27-32	30
Viscosity, 40 °C	cSt	D 445	Report	355
Viscosity Index		D 2770	Report	125
Water Separability	ml	D 1401	Report	42-38-0 (10)
Moisture	ppm	D 1533	Report	< 70
Flash Point, PMCC	°C	D 93	> 200	220
Specific Gravity		D 1298	Report	0.840
Density	lb/gal	D 1298	Report	7.0

Soltex BSR 30 Blend Viscosity at 40 deg C



Soltex BSR 30 Blend Viscosity at 100 deg C



**5% Treat Rate**

**10% Treat Rate**

**15% Treat Rate**

**20% Treat Rate**


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