Petroleum products

Recycled base oil

Base stock for lubricant blending

SN500



Material illustration

Technical characteristics

Re-refined base oil SN500 is recovered by processing used lubricants. Replacing a formulation's base stock calls for comparison of viscosity, lot consistency, colour and residual contaminants.

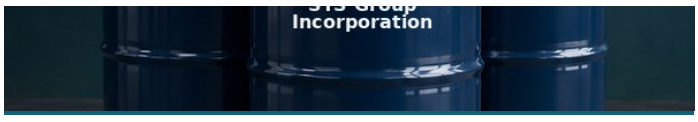
Property	Reference value	Method or source
Designation	**SN500**	STS Chemical
Test temperatures	**40 °C / 100 °C**	ASTM D445
Viscosity index method	**ASTM D2270**	ASTM D2270
Kinematic viscosity	**ASTM D445**	ASTM D445

Compare SN500 by kinematic viscosity at 40 and 100 °C (ASTM D445) and viscosity index (ASTM D2270). Pour point, flash point, colour and water complete the profile. The SN number does not establish universal acceptance limits.



Applications

Blending stock for lubricant formulations. Base-stock viscosity affects the choice of a second base cut and additive package. Compatibility and performance are evaluated on the finished blend. This cut can serve as the more viscous component of a blend. Replacing a lighter stock requires a revised blend ratio and a viscosity check on the finished oil.



Packaging and receipt

Drums or IBCs suit trial blends. Regular blending-plant demand can be served in a suitable clean tanker. Receiving tanks and lines are allocated to compatible base stocks.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.