



Viscosity Equivalent Chart

With multiple viscosity grade systems existing, it may be confusing if an engine manual instructs the use of ISO (International Standard Organization) grade 32 and the product in front of you has SAE (Society of Automotive Engineers) grade 10W on the container. In terms of viscosity, both are equivalent. However, you may not know this. If you have a viscosity equivalent chart, it is easy to double check.

Utilize the chart below *only* to understand the relationship between the two measurement grades. Other factors come into play for which oil is best for your equipment, so be sure to contact your local FS energy specialist for technical support.

Don't know your local FS energy specialist? Use our [Find a Retailer](#) module to be directed to the FS location nearest to you.

Viscosity ISO Grade	SAE Crankcase Grade Equivalents	SAE Gear Oil Equivalents
ISO GRADE 32	10W	--
ISO GRADE 46	20	--
ISO GRADE 68	20	--
ISO GRADE 100	30	--
ISO GRADE 150	40	90
ISO GRADE 220	50	90
ISO GRADE 320	--	90
ISO GRADE 460	--	140
ISO GRADE 680	--	140

For further reference, also refer to the [Fundamentals of Viscosity](#), [SAE Viscosity Grades for Engine Oil](#) & our [Glossary of Energy Terms](#).