## ASTM VISCOSITY SYSTEM FOR INDUSTRIAL FLUID LUBRICANTS (ASTM D2422-75)

This system was originated to provide a suitable number of viscosity grades for industrial fluid lubricants so that lubricant suppliers, lubricant users, and equipment designers would have a uniform and common basis for designating such lubricants. Each grade is designated by its nominal value in centistokes (metric units) at 40°C. The viscosity range for each grade is +10% of the nominal viscosity number.

This system applies only to viscosity and has nothing to do with lubricant quality. It does not apply to lubricants used primarily with automotive equipment and identified by an SAE viscosity number.

The complete ASTM D2422 grading system is shown.

## ASTM D 2422 VISCOSITY SYSTEM FOR INDUSTRIAL FLUID LUBRICANTS

Viscosity System Grade Identification	Mid-Point Viscosity At 40°C Approximate Equivalents cSt(mm²/s) SUS		Kinematic Viscosity Limits cSt(mm²/s) Min. Max.	
ISO VG2	2	32	1.98	2.42
ISO VG3	3	36	2.88	3.52
ISO VG5	5	40	4.14	5.06
ISO VG7	7	50	6.12	7.48
ISO VG 10	10	60	9	11
ISO VG 15	15	75	13.5	16.5
ISO VG 22	22	105	19.8	24.2
ISO VG 32	32	150	28.8	35.2
ISO VG 46	46	215	41.4	50.6
ISO VG 68	68	315	61.2	74.8
ISO VG 100	100	465	90	110
ISO VG 150	150	700	135	165
ISO VG 220	220	1000	198	242
ISO VG 320	320	1500	288	352
ISO VG 460	460	2150	414	506
ISO VG 680	680	3150	612	748