

## What are the core application areas for different basestocks?

Product	Group I	Group II/II+	Group III	Group III+	Group IV	Naphthenic	Other Group V
Ultralow-/Low-viscosity PCMO	X	++	++	++	+	X	+
Mid- and high-viscosity PCMO	++	+++	+	+	X	X	+
Ultralow-/Low-viscosity HDMO	X	++	++	+	+	X	+
Mid- and high-viscosity HDMO	++	+++	+	+	+	X	+
ATF	X	++	++	+	+	X	+
Automotive gear oil	+++	++	+	+	+	X	+
Industrial engine oils	+++	++	+	X	+	+	+
General industrial oils	++	++	+	+	+	+	+
Metalworking fluids	+++	+	X	X	X	++	+
Process oils	++	++	+	+	X	++	X
Grease	++	+	+	+	+	++	+
MCO	++	+++	+	+	+	X	+
HTF	++	+++	+	+	X	X	X
THF	++	+++	+	+	X	X	X

**+** refers to less than 20% share

**++** refers to 20% to 50% share

**+++** refers to over 50% share

**X** refers to 0% or very minor share or not an application

Source: Kline's Basestock Intelligence Center