

PennGrade 1[®] High Performance Engine Assembly Lubricant



Product Description

PennGrade 1[®] High Performance Engine Assembly Lubricant is a premium high viscosity lubricant specifically designed to offer additional protection for “green” moving surfaces in engine assembly applications. Its premium base oil provides higher load carrying ability and excellent surface film protection to prevent wear in highly stressed internal components.

PennGrade 1[®] High Performance Engine Assembly Lubricant is readily miscible with all types of mineral based and synthetic engine oils. It does not contain solid fillers such as molybdenum or graphite which can cause “clumping” and/or oil filter plugging. **PennGrade 1[®] High Performance Engine Assembly Lubricant** is recommended as a pre-lube for engine components including valve trains, cam lobes, lifters, wrist pins, rod bearings, main bearings, etc. It is the lubricant chosen by engine mechanics performing in-frame diesel rebuilds. It will not run or drip from treated parts due to its tacky/stringy nature and will protect assembled engines from rust and corrosion during assembly period and shipment. This product is not recommended for transmission assembly/rear-end systems and should not be added/mixed with transmission fluids or gear lubricants. **PennGrade 1[®] High Performance Engine Assembly Lubricant** is a great complement to the **PennGrade 1[®] High Performance** line.

Typical Properties

Specifications	Test Method	Typical Properties
Viscosity @ 100°C, cSt	ASTM D445	49.4
@ 40°C, cSt	ASTM D445	688
Viscosity Index	ASTM D2270	125
Pour Point, °F (°C)	ASTM D97	5 (-15)
Flash Point, COC, °F (°C)	ASTM D92	450 (232)
API Gravity	ASTM D4052	25.9
Density, lbs/gal (g/L)	Calculated	7.5 (898)
Color	ASTM D1500	Green

