



CountryMark®

LUBRICANTS

Product Data Sheet

Full Synthetic AGMA / EP Gear Oil (SHP)

Description

CountryMark SHP AGMA/EP lubricants are supreme performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation. They are formulated from synthetic hydrocarbon base oil. The combination of a naturally high viscosity index and a unique, proprietary, additive system enables these products to provide outstanding performance in extreme service applications at high and low temperatures, well beyond the capabilities of mineral oils. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption. It also results in extended parts life and allows for more economical equipment design. The additive combination used in these oils also provides exceptional resistance to rusting and corrosion, very good antiwear, demulsibility, foam control and air release properties, as well as multimetal compatibility.

Features and Benefits

CountryMark SHP AGMA/EP lubricants are recognized for their innovation and outstanding performance. These lubricants provide the OEM the potential for significant efficiency improvements in changing from mineral oil. These benefits are particularly evident in equipment which, by design, cannot avoid low overall efficiency, such as high ratio worm gears. The wax-free nature of the base oil also provides low temperature fluidity characteristics unmatched by mineral products and is a key benefit for remote, low ambient temperature applications. The following features and potential benefits of using a high quality synthetic AGMA are; Superb temperature thermal / oxidation resistance; higher viscosity index and a wax-free oil and a high load carrying capability.

Applications

CountryMark SHP AGMA/EP lubricants are recommended for use in a wide variety of gear and bearing applications where high or low temperatures are encountered or where operating temperatures are such that conventional lubricants give unsatisfactory life. Specific applications include:

- Filled for life gearboxes, especially high ratio/ low-efficiency worm gears
- Remotely located gearboxes, where oil change-out is difficult
- Low temperature applications
- High temperatures applications
- Roll bearings and roll neck bearings

Typical Properties

AGMA SHP Grade	Test	2EP	3EP	4EP	5EP
ISO VG		68	100	150	220
Viscosity @ 100°C, cSt	D445	10.6	13.4	18.1	25.1
Viscosity @ 40°C, cSt	D445	69.7	99.0	141	216
Viscosity Index	D2770	146	143	144	151
Pour Point °C	D97	-47	-44	-44	-42

Safety and Health

Caution! Customers are advised to check the oil recommendations for their equipment. Equipment manufacturers recommend specific viscosity grades of oil for certain ambient temperature ranges. Use of oil outside its recommended temperature range can cause lubrication-related problems and lead to permanent engine damage.

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