

BOOST™ WEAR PROTECTION

Surface-Smoothing Gear Oil Additive

Boost™ Wear Protection is the ideal choice for under-engineered gearboxes, mis-matched gears, or gears with damaged contact surfaces. When used at full concentration it eliminates the run-in period for new or re-built gearboxes. It contains no solid or abrasive materials.

Boost™ Wear Protection creates a protective coating on metal surfaces that changes how the contact points (the asperities) react to the pressure and heat generated by friction. The coating acts as a cushion which prevents asperities from going through the “weld-and-break” cycle that leads to scuffing. Instead of causing damage, the load results in flattening of the asperities, a process known as plastic deformation. Smoother surfaces can be seen after only a few hundred operating hours. A reduction in noise can often be witnessed within a few hours.

Boost™ Wear Protection is fully soluble in mineral oil and synthetics (PAO and ester types).

BENEFITS:

- IMPERFECT GEARS – ideal when gears are not perfectly matched, or where scuffing or pitting has occurred
- ECONOMY – will extend the life of gears and bearings
- ELIMINATE RUN-IN – no running-in required when used at maximum concentration. See table below.
- WORM GEARS OK – will not attack yellow metals
- LONG LIFE – additives are consumed very slowly
- STABLE – highly soluble in both mineral oil and commonly used synthetics (PAO and ester types)

APPLICATIONS:

For all types of closed or semi-closed transmission systems under load, including extreme load. Worn or mis-matched gears. High-torque reducers in mining, steel mills, cement, sugar cane mills etc.

ASTM #		CHARACTERISTICS
D-445	ISO Viscosity Grade	320
D-2270	Viscosity Index	110
D-92	Flash Point	
D-130	Copper Corrosion	
D-92	Flash Point °F °C	455 235
D-97	Pour Point °F °C	0 -18
D-665	Corrosion protection	Passes
	Treatment % gears bearings	5 to 10 4 to 8

The above are typical values. Minor variations which do not affect product performance are to be expected in normal manufacturing.