






ANTI-WEAR & EXTREME PRESSURE ADDITIVES

Durad® phosphate ester based anti-wear/extreme pressure additives

Phosphate Esters are widely known as effective, ashless, anti-wear and mild extreme pressure additives for lubricants and functional fluids. The primary function of phosphate esters is to reduce friction and wear in applications where high loads cause boundary lubrica-

tion conditions. They also enhance solubility and stability in a wide range of lubricant base stocks.

The Durad® product line offers a broad range of physical and performance properties tailored for specific applications.

			Phosphorous Content wt%	Viscosity @40°C cSt
	Durad® Tricresyl phosphates	Durad® 40	12.0	3.0
		Durad® 48	7.8	6.7
		Durad® 60	7.1	7.9
	Durad® Tricresyl phosphates	Durad® 125	8.4	24
		Durad® 125 Aviation	8.4	24
	Durad® Isopropylphenyl phosphates	Durad® 110	8.3	24
		Durad® 150	8.0	28
		Durad® 220	7.6	38
		Durad® 300	7.1	66
	Durad® t-Butylphenyl phosphates	Durad® 110B	8.5	24
		Durad® 150B	8.1	32
		Durad® 220B	7.9	46
	Durad® EP/AW and Copper corrosion inhibitors	Durad® 310M	7.3	55

Durad® 310M

displays excellent anti-wear and extreme pressure performance in laboratory tests. It also shows high resistance to micropitting wear in the FZG test. As a multifunctional additive, Durad® 310M has shown the additional benefits of excellent rust and corrosion protection. It also possesses good solubility and stability in a wide range of lubricant base stocks.

Benefits

- Excellent extreme pressure/anti-wear performance
- Excellent rust/corrosion protection
- Good oxidation stability
- Excellent FZG performance
- High resistance to micro-pitting wear
- Ash free