



## Product Overview

**EsterAd232** is an innovative oil additive engineered with three proprietary synthetic lubricants, including a Group V Ester and Group IV PAO, that improves oil in shear and oxidation stability, performance, and anti-wear properties. The synergy between these patented lubricants have unique lubricating properties, even compared to PAO or mPAO synthetics of the same viscosity. **EsterAd232** is also negatively charged, allowing it to attach to metal surfaces and provide increased boundary lubrication.

## Applications

**EsterAd232** is compatible with mineral, semi-synthetic and synthetic oils and may be used as a replacement of current Esters in existing formulas or as an add-on to market-ready products.

## Benefits

- Improves shear & oxidation stability, anti-wear properties
- Reduces friction, noise & vibration
- Cleans engine deposits
- Increased combustion efficiency



## Typical Properties

PROPERTY OR TEST	ASTM	RESULT
Kinematic Viscosity @ 40°C, mm <sup>2</sup> /2	D-445	53.70 cSt
Kinematic Viscosity @ 100°C, mm <sup>2</sup> /2	D-445	11.03 cSt
Viscosity Index	D-2270	203
Specific Gravity	D-4052	0.8873
Acid Number, mg KOH/g	D-947	0.03
Flash Point (open cup), °F	D-92	496
Pour Point, °C	D-97	-36
Dielectric Breakdown Voltage, Kilovolts	D-877	36.23
Water Mass %	D-6304	0.01
Color	D-1500	L0.5

**Tariff Code:** 3811.21.0000