



EsterAd232 is an innovative oil additive used to improve host oil's stability, performance, and anti-wear properties. It is engineered with three proprietary synthetic chemicals, including a Group V Ester, that can be added to a variety of oils of different groups and viscosities. It is a negatively charged additive, allowing it to attach to the surface of oilwetted components inside oil systems to reduce friction, improve oil film strength and boundary lubrication, and reduce operating temperatures.

EsterAd232's proprietary Group V Ester helps with increased rubber seal lubrication as well as a slight swelling of seals for less oil leaks – all while cleaning deposits from the system. This allows for restored compression, less blow-by and increased combustion efficiency. By using these new technologies, **EsterAd232** improves the host oil and allows for an increase in fuel economy and horsepower by up to 5% and allows for longer oil change intervals.

APPLICATIONS

Used at a 5% treat rate, **EsterAd232** is compatible with mineral, semisynthetic and synthetic oils. May be used as part of an additive package or as an add-on to market-ready products.

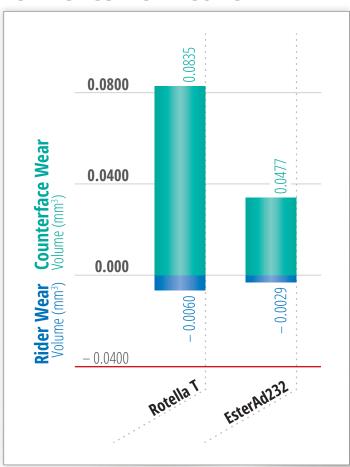
BENEFITS

- · Contains proprietary Group V Ester
- · Reduce wear by up to 43% compared to Shell Rotella® baseline*
- · Increase horsepower & fuel economy by up to 5%*
- · Improves shear stability, oxidation stability, film strength
- · Reduces friction, noise & vibration
- · Reduces operating temperatures
- · Cleans engine components

INDUSTRIES

- · Automotive
- · Agriculture
- · Heavy-duty
- ·Industrial
- · Marine

ASTM G-133 TEST RESULTS





^{*}Verified by 3rd Party Testing