



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 oil-wetted 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, semi-synthetic 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

*Verified by 3rd Party Testing

ASTM G-133 TEST RESULTS

