

PDS: EXL-GearGuard TopOff

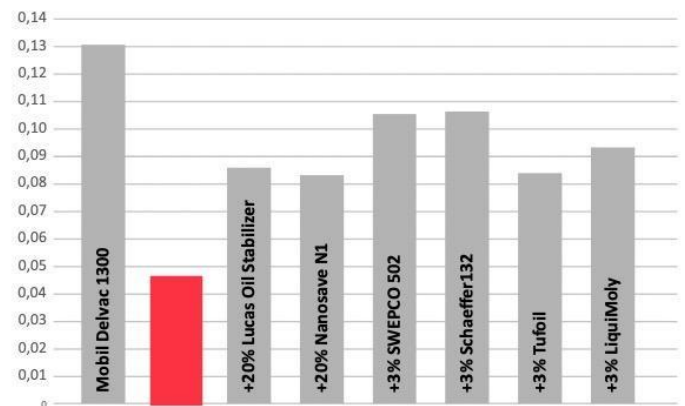
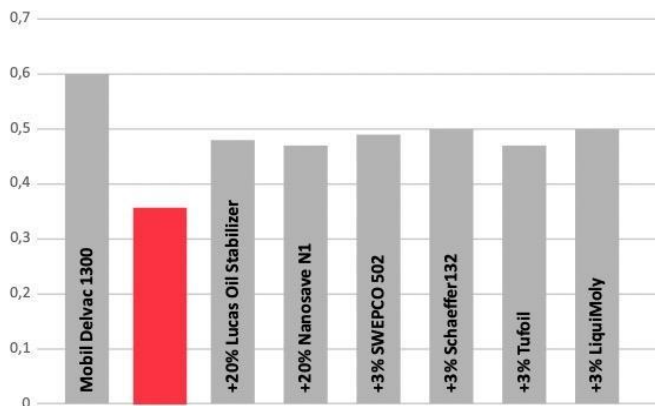
ER/AW/AF/EP

**EXL-GearGuard TopOff**, enhanced by billions of spherical tungsten disulphide nanoparticles. These Energy Reducing, Anti-Wear, Anti-Friction and Extreme Pressure particles serve as submicron-sized shock absorbers, preventing exposure to hydraulic/shear pressures, and also function as tiny ball-bearings that roll on impact, exfoliate and attached to surfaces, improving anti-friction and anti-wear properties of host oil. **EXL-GearGuard** has shown to extend engine oil (TBN raised) and component life, extend service intervals, improve power and torque performance, reduce emissions, reduce engine noise and improve fuel economy. Compatible with mineral and synthetic oils. **Environmentally Friendly.**

Packaging: Presently 18.9 litre pail, 1 litre bottle coming soon.

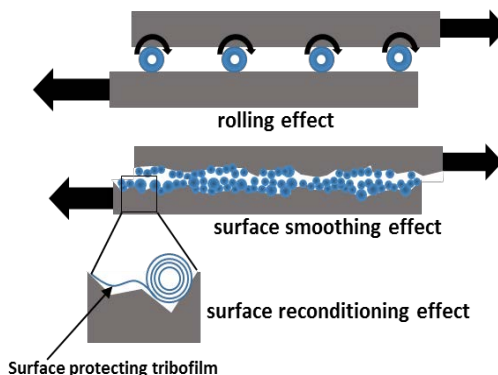
**Application: Gearboxes and Final Drives. Treatment rate: 3% typical, range 0.5% to 8% by oil volume**

4 Ball Wear ASTM D4172, EXLcanada lubricants TopOff Vs Others **Red Column** Coefficient of Friction EXLcanada lubricants TopOff Vs Others



**EXL-GearGuard TopOff** has a tungsten disulphide nano particle, spherically shaped, multilayered, submicron sized, formed into nano sized onion like ball bearings.

The layers exfoliate in working conditions and penetrate into asperities (pitting, scoring...) of the metal within engines, gear boxes & final drives of all lubricated surfaces, a protective coating forms that has the lowest coefficient of friction known for metal coatings.



**EXL-GearGuard TopOff** tungsten disulphide nano particle is completely different to all PTFE, Molybdenum disulphide and graphite's oil additives, these are all platelet structured technologies, therefore have little elasticity or shock absorbing properties.

**Tech Specs: Treat Rate:** 1-8% by weight **Viscosity:** 260-500 cSt at 40°C (104°F) **Density:** 1.08 g/cm<sup>3</sup> (9.0 Lb/Gal) at 15.6°C (60°F) **Flash Point:** 138°C / 280°F. Active Sulfur, Chlorine, Boron content: None.