



**11.8L engine**

**490hp power**

**2300 Nm torque**

**Euro VI  
China VI    Global Product**

A Cummins X12 engine installed in an independent test laboratory.

A test program designed to evaluate the performance of CuGlide™-powered synthetic no-SAPS SAE 10W-30 and 0W-30 oils versus an approved 10W-30 API CK-4 & Cummins oil (“Standard Oil”)

NEOL 10W-30 subjected to a 300-hour cyclic endurance test according to Cummins test protocol, and a total of 464 hours of operation.

The turbocharged Cummins X12 engine with its lightweight design is a productivity champion, with industry-leading combination of impressive power and efficiency.

An ideal engine for a variety of commercial vehicle applications from regional haul to vocational trucks to bulk intermodal transportation of heavy loads.

**CuGlide™ x Cummins X12 provides OEMs and end users with an opportunity to migrate to a no-SAPS engine lubricant technology!**



**With no ash, no phosphorous, and no ZDDP, the NEOL SAE 10W-30 performed at the same level as the Standard Oil before and after undertaking a 300-hour endurance test.**



- Marginal improvement (0.8%) in **torque and power**.
- **Equal fuel consumption** as the approved Standard Oil.
- Excellent control of oil oxidation, nitration, and acidity after **1200 test cycles in the endurance test**.
- **Equivalent to the Standard Oil** on all measured exhaust emissions.

- **All piston cylinders and liners** free from carbon deposits.
- **“No harm”** performance of using a SAE 0W-30 viscosity grade oil in the Cummins X12, with a marginal improvement in friction torque (1.5%).

This case study successfully demonstrates the performance capabilities of a revolutionary engine lubricant in a 11.8L diesel engine produced by a global leader in engine solutions.

**With ultra-low TBN, no-SAPS, and no-ZDDP, Neol’s ground-breaking oil technology prolongs the efficiency and life of the ATDs and protects environmental health.**

**CuGlide™, a ground-breaking no-SAPS product which delivers engine performance and efficiency in Euro VI engine hardware whilst providing health benefits to exhaust aftertreatment devices and protecting the environment from toxic zinc.**

**It’s time for change.**

For more information on Neol’s innovative lubricant technology contact [www.neol.world](http://www.neol.world)