



# HyFilm® LEO

Heavy Duty Engine Oil

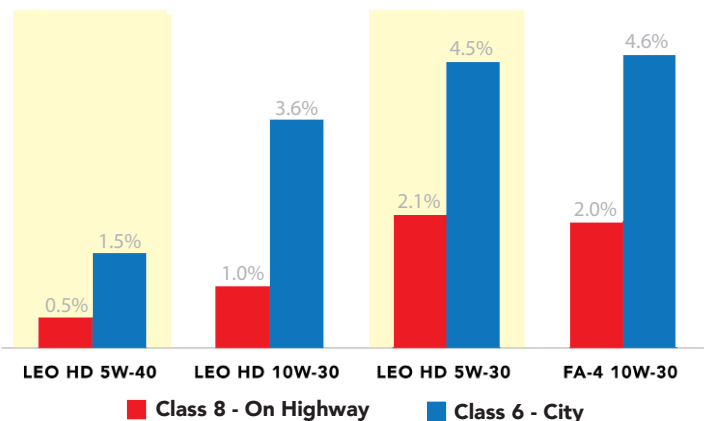


Diesel fleet owners and managers looking to improve ROI, reduce downtime and optimize drain intervals choose HyFilm LEO Heavy Duty Engine Oil (HDEO) to provide world-class lubrication excellence for their Class 3-8 heavy-haul, transportation, agricultural, construction fleets, on-road and off-road fleets. The oil of choice for Sustainable Fleets, HyFilm LEO HDEO uses cutting edge technology to maximize fuel economy and engine protection in the most extreme environments, from arctic cold to blazing hot.

## ATTRIBUTES

- **Increase Fuel Efficiency** by up to 4% when compared to 15W40
- **Outstanding Low Temperature Fluidity** for easy start-up
- **Excellent Soot Handling**
- **Superior Viscosity Control**
- **Exceptional Thermal & Oxidative Stability** reduces breakdown & sludge formation
- **Reduced Deposit Formation & Bore Polishing** due to high TBN
- **Longer drain intervals** due to high TBN stability
- **Minimized Oil Consumption** due to low volatility base oils
- **Consistent Engine Protection** with shear stable base oil and polymers
- **Robust Additive Package** minimizes corrosive & abrasive wear
- **Safe** for exhaust after-treatment systems
- **Ideal** for gasoline/diesel mixed fleets
- **Available** in SAE 5W-40 and 5W-30

## FUEL ECONOMY IMPROVEMENT OVER 15W-40



Fleet Testing conducted according to the EPA Federal Testing Procedure (FTP) demonstrates significant fuel economy improvement over all driving scenarios when adopting low viscosity engine oil options.

 Don't Pollute, Conserve Resources, Extend Maintenance Intervals  
Reduce Your Carbon Footprint



## EXTENDED SERVICE INTERVALS AND LUBRICATION MANAGEMENT

Optimize drain intervals by using HyFilm LEO HDEO engine oils in conjunction with Hydrotex Engine Oil Analysis. Save time, money, fuel and natural resources while maximizing the efficiency of your fleet.

**Lubrication Management** | A Collaborative Process with Hydrotex.

Hydrotex is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs, and improve fuel efficiency. For more information on HyFilm LEO HDEO and other Hydrotex Lubrication & Fuel Management Solutions, please contact your local Hydrotex representative.

## SPECIFICATIONS

HyFilm LEO HDEO meets or exceeds performance criteria for the following specifications:

- API CK-4/SN
- Cummins CES 20086
- Detroit Diesel DDC93K222
- Volvo VDS 4.5
- Mack EOS 4.5

\* See Technical Data Sheet for full list

## REAL WORLD SAVINGS

with Hydrotex Lubrication Management using HyFilm LEO

A fleet of 118 trucks travelling over 6 million miles a year reduced their annual oil changes from 600 to just 133.



## ADDITIONAL SAVINGS

Oil Filter Savings	\$20,510
Reduced Engine Oil Consumption (4,907 gallons)	\$42,000
<b>Total Annual Savings with Hydrotex Lubrication Management &amp; HyFilm LEO</b>	<b>\$93,510</b>
Additional Savings from Reduced Labor and Downtime & Fuel Management	<b>\$150,000</b>

## EXCEPTIONAL PERFORMANCE

### BEYOND TEST LIMIT REQUIREMENTS



Up to 40% Better Wear Protection



Up to 93% Better Oxidation Resistance



Up to 46% Better Piston Cleanliness



Up to 44% Better Component Durability

## COLD FLOW PERFORMANCE



HyFilm LEO HDEO 5W-30 Flow vs. 15W-40 at -35° C. Time elapsed 50 seconds.

Critical engine parts are lubricated faster with HyFilm LEO HDEO for better wear protection and reduced friction during start-up, in both cold and hot weather!

## THE HYDROTEX ADVANTAGE

Hydrotex leverages over 80 years of experience in manufacturing and distributing high performance industrial and automotive lubricants and fuel improver solutions while implementing effective reliability programs for our customers in the United States.



Using low viscosity synthetic engine oil like HyFilm LEO HDEO is part of the documented Fuel Efficient Technologies and Strategies of the US EPA's SmartWay® Transport Program.

