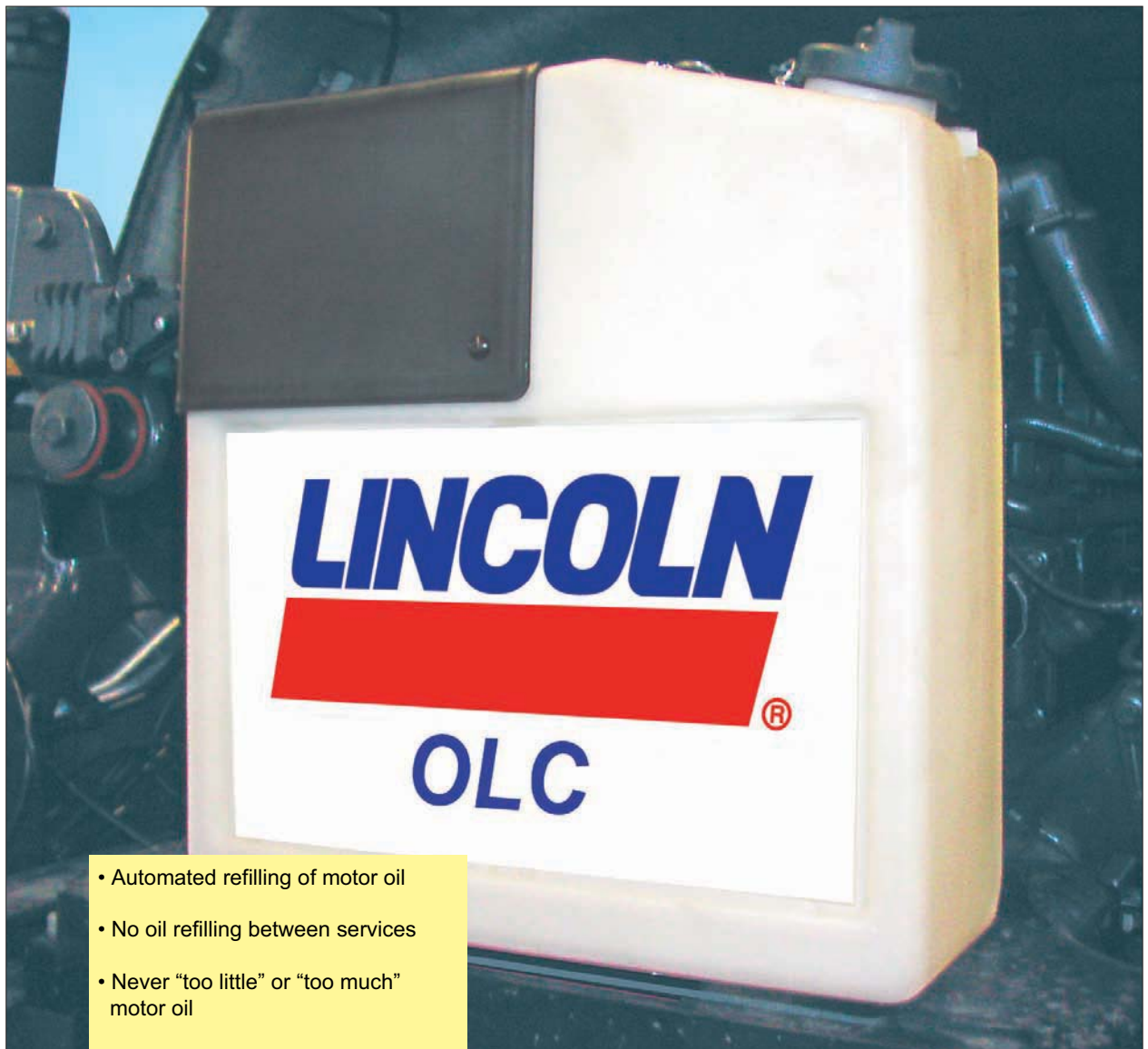


OLC – Automated Oil Refilling System for Motors



- Automated refilling of motor oil
- No oil refilling between services
- Never "too little" or "too much" motor oil
- No mixing of different grades of oil

OLC – Automated Oil Refilling System for Motors

Longer service intervals for trucks and busses often means that oil must be refilled while on the road. This is not only cumbersome and time wasting, but may result in oil levels that are too high or too low. In addition, different or inferior grades of oil may be mixed. Mixing of incompatible oils can have a detrimental effect on the engine performance – especially if synthetic and mineral oils are mixed.



Applications

The OLC system was especially designed for the automated oil refilling of motors for commercial vehicles. Other mobile applications include agriculture

and construction machines, airport vehicles, locomotives and ships.

The OLC may also be used for stationary equipment with combustion motors that run constantly, and consequently require frequent oil level control.



The OLC system offers many advantages over other motor oil filling systems. Filling occurs “from the top” via an existing oil port or valve cover. The result – motor oil doesn't run out. Furthermore, the OLC is very compactly designed.



There are various possibilities to refill for different applications:

- Oil level measurement while the vehicle is parked, and filling when the motor is started for all commercial vehicles
- For ADR vehicles the filling occurs before the motor is started while the the ignition is on
- Filling while the motor is running - for continuous operating industrial motors

System Advantages

The OLC maintains an optimum oil level. The oil level within the motor is measured with a sensor on a dipstick - thus providing better accuracy. The system has an integrated controller, which together with the motor, is mounted on the reservoir. The OLC reservoir is available in two sizes which incorporate level control. (Signalling at approx. 20%) Because the system is a closed network, oil contamination from dirt particles is minimized when compared to conventional manual filling. In addition, the closed network reduces the environmental impact caused by spilled motor oil, as well as from empty oil cans (see Validated Environmental Information).

Normally, the oil level is lower than the maximum level mark on the dipstick. This results in savings as the oil consumption tends to be less at lower oil levels, and less oil is required when changing the oil.

The OLC system is available from your authorized Lincoln dealer, who also caters to your centralized lubrication needs. Our one-stop approach at Lincoln meets all your requirements.

Technical Characteristics

- 7 or 11 liter reservoir with gear pump
- Reservoir is mounted at easy access in the vicinity of the motor.
- The oil level measurement is performed via a sensor that is inserted into the motor instead of the dipstick.
- The refillable reservoir is equipped with low-level control.
- Lockable reservoir cap
- Readout of stored data via special USB interface and software (optional)

Validated Environmental Information

The OLC is a closed, automated motor oil refilling system. It reduces the environmental impact on trucks and other mobile equipment:

- Filling from the top via the valve cover and not at the oil drain plug minimizes the potential of dripping oil during refilling, and reduces the snag potential of the filling line
- Under normal conditions, no manual refilling is required between service intervals – for example from oil cans while on the road-

VALIDATED INFORMATION
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Lincoln Environmental Declaration:

www.lincolnindustrial.de/Company/Environment



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