



Duolec® Vari-Purpose Gear Lubricant (1605)

Fairport Central Schools – Fairport, N.Y.

School Bus Fleet



- **More than doubled fork life**

Customer Profile

The school bus fleet of Fairport Central Schools, located in Fairport, New York, has used LE lubricants since May 1979. They operate a total of 125 school buses. Peter Lawrence is the director of transportation and Pete Marini is the head mechanic.

Application

There is one bus which has an International Harvester 6.9 liter diesel engine; 3 buses which are equipped with International Harvester 7.3 liter diesel engines; 18 buses with GM 6.2 liter diesel engines; 2 buses with GM 6.5 liter diesel engines; 5 GM 5.7 liter diesel engines; 47 buses with International Harvester 360 engines; 20 buses with International Harvester T444 engines; 18 buses with International Harvester DT466 engines; and 11 buses with Cummins 5.9 liter engines.

Challenge

While using a commercial grade gear oil, shifting forks required changing every 8,000 to 10,000 miles. The customer was very interested in extending the life of the shifting forks, as well as, converting to a higher quality oil that saved their bottom-line costs.

LE Solution & Results

Duolec® Vari-Purpose Gear Lubricant (1605) is used in all standard transmissions and differentials, with very gratifying results.

During the severe winters in this region, with temperatures well below 0°F (-18°C), Duolec 1605 has outperformed all other gear lubricants. With Duolec 1605, getting the fleet of buses out on their appointed rounds is very easy, even on the coldest mornings. The results are additional savings, and a more efficient operation of the Fairport Central Schools' bus fleet.

Since changing to Duolec 1605, the drivers have observed that shifting is much easier, and with the addition of a special pad from International Harvester, fork life has more than doubled.

Other Products Used

Almagard® Vari-Purpose Lubricant (3752) was introduced into the fleet in September of 1999. Wheel bearings are lubricated at a scheduled interval of 10,000 miles or 12 months, and have shown there is still ample lubricant in the bearings. Almagard 3752 is an excellent general purpose EP lubricant for fleet use. It is very effective in severe operations caused by moisture or high temperatures. It seals out dirt and water, and protects against corrosive wear.

Thank you to Peter Lawrence, director of transportation, Pete Marini, head mechanic, and to Don Wilkens, LE lubrication consultant (pictured), for providing the information used in this report.





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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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