



Des-Case® Breathers

Marquette Transit Authority – Marquette, Mich.

Differentials

Customer Profile

Marquette Transit Authority (MARQTRAN) is a municipal transit system funded by State, Federal and County governments. They provide countywide service in one of Michigan's largest counties, and have been an LE customer since 1992.

Application

The fleet consists of more than 30 units of various size and manufacturers. Marquette County is located on the Southern shore of Lake Superior, which is known for its severe storms. In the winter, temperatures can reach -20°F (-29°C) with 200 inches of snow annually. Most units in the Marquette Transit Authority will travel approximately 50,000 miles per year.

Challenge

Marquette was having problems with contamination in the Monolec® Gear Lubricant (703) in the differentials. LEAP reports showed contamination of silicon, sodium and water at 200,000 miles, indicating change, although oil condition was still serviceable.

LE Solution

Greg Klang, LE lubrication consultant, recommended putting Des-Case breathers on the differentials to help with the contamination issues.

Results

They plumbed in soft flex line to the interior of the bus to preclude road salt, sand, and snow/moisture from entering the OEM poppet type breather on the top of the differential.

By utilizing the Des-Case breathers to control contamination, LE Monolec 703 is much cleaner. They change out the breathers annually, and now one fill of Monolec 703 will last the life of the bus, the expected 300,000 miles.



Upon change out of the breathers, one of the mechanics cut apart a breather for inspection and the dirt containment was very evident showing what a great job the Des-Case breather had done. LEAP reports confirmed the benefit of the LE Reliability Partnered Product.

Other Products Used

- Monolec® Syn Multi-Vehicle ATF (1150)
- BTU+ Total Treat (2410) Diesel Fuel Improver
- Almagard® Vari-Purpose Lubricant (3751)
- Monolec® Power Fluid (7500)
- Monolec® Ultra-Blend Engine Oil (8130)
- Monolec® SPB Engine Oil (8530)
- Monolec Ultra® Engine Oil (8800)
- Oil Safe containers
- LEAP

Thank you to Brian Bauman, shop foreman, and to Greg Klang, 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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