

**ALFA LAVAL GJ 18 TANK CLEANING MACHINE
RUNS 2X LONGER & COSTS LESS TO REPAIR THAN THE GJ 4**

THE TRIAL

Our Customer, a transportation and logistics leader in Quebec, was initially using the Alfa Laval GJ 4 in their trailer wash bays. When Alfa Laval introduced the GJ 18, designed to provide 2X the hours of operation and be less expensive to maintain than the GJ 4, the customer ran a trial to compare.

The unit was put into operation cleaning trailers using 125 psi and 100 gpm of 190° F wash fluid. After an impressive 2400 hours of operation, the unit stopped working.

THE INSPECTION

The initial inspection found some internal build-up of sediment and that most parts looked to be in good condition.

Further inspection found that the majority of parts needing replacement were due to impact of the unit and the carbide being shattered, which is the first instance where there has been seen with the GJ 18.

The broken parts included cracked body bearings, chipped and worn carbide, worn bottom surface of rotor carbide, ground-off plasma coating on the input shaft where the input pinion made contact with the top geartrain platform (\$469.00).

The worn parts that needed replacing included the rotor shaft assembly, input/output shaft seals, gearbox clutch o-rings, output shaft, gear bushings, labyrinth seals, geartrain washers, geartrain platform assemblies, rotar assembly (\$809.00)

RESULTS

- ▶ **Run to Failure Time (hours before maintenance is required):**
 GJ 18 - 2400 hours
 GJ 4 - 1000 hours max
- ▶ **Run to Failure Parts Costs:**
 GJ 18 - \$809.00 (does not include parts damaged from impact)
 GJ 4 - \$1,200.00 to 1,400.00



TRANSPORTATION & LOGISTICS | TRAILER WASHING
**ALFA LAVAL GJ 18 OUTPERFORMS
 GJ 4 IN RUNTIME & COSTS**

LEARN MORE ABOUT THE ALFA LAVAL GJ 18



**For More Information on this Product Comparison or if you have an Application Challenge
 Contact a John Brooks Company Application Expert today!**