

Tribol GR 100-0 PD Success in Robots

AUTOMOTIVE WELDER ROBOTS

Castrol Tribol® GR 100-0 PD*

ANNUAL SAVINGS: \$75,000

THE SITUATION

A major car manufacturer's body assembly shop has 140 Fanuc welder, gripper and sealer robots that use a competitor lithium soap grease for lubrication. This grease is very high cost and has a lead time of 3 months.

Castrol was challenged to provide a high performance robot grease at a lower cost and better delivery time.

BEFORE

- High cost grease supplied via the robot manufacturer's agent.
- Unacceptable lead time to meet the customer's requirements.
- A 3-month supply had to be held, increasing inventory and working capital costs

AFTER

- Reduced volume of grease required in storage, reducing working capital costs.
- Reduction in cost of grease delivering a savings of \$75,000 per year
- No performance issues with the robot equipment

THE SOLUTION

- Castrol assessed the lubrication requirements of the robot to determine a suitable replacement.
- Castrol Tribol GR 100-0 PD was identified and presented to the customer based on its high performance and experience in similar assembly robot applications.
- Castrol Tribol GR 100-0 PD was tested in different robots at the site with excellent performance experienced.

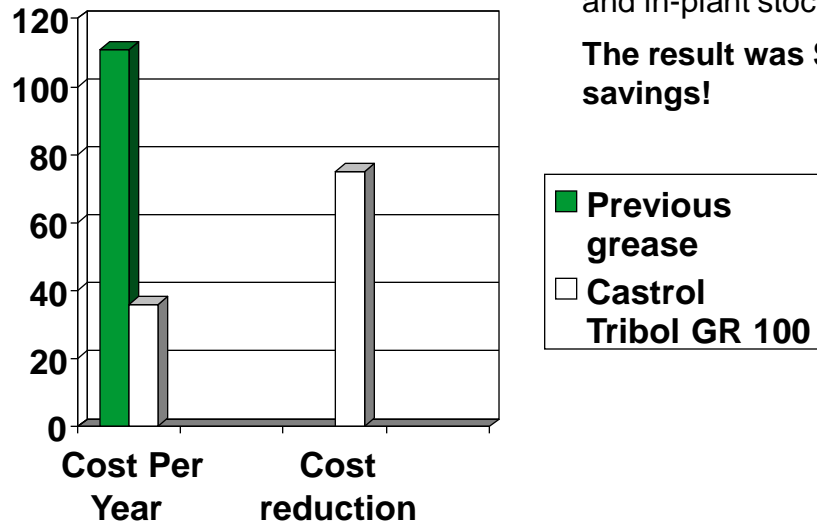


- Great experience in robot lubrication
- Much lower cost and delivery time than most typical robot greases

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RECOMMENDATIONS

After testing on a variety of Fanuc robots, the customer converted them all at the next lubrication cycle to obtain the full benefits.



CONCLUSION

The customer found that the previous grease supplied by the robot OEM was over-priced and difficult to obtain. Castrol provided an excellent high performance replacement that significantly lowered cost, delivery time, and in-plant stocking levels.

The result was \$75,000 in annual savings!



OTHER POTENTIAL APPLICATIONS

Castrol Tribol GR 100 series of greases contain the proprietary MFT additive package to improve metal surfaces and greatly extend equipment life. They are suitable for grease applications where lower grease usage and longer component life are desired.

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