

AUTOMOTIVE (USA)

FINAL ASSEMBLY

Castrol Optigear® 1100/220 gear oil*

TOTAL SAVINGS: \$44,550



THE SITUATION

Commodity type EP gear oil was used at automotive final assembly conveyor drive gearboxes before Castrol. It was changed every year according to lubricant manufacturer recommendations. If oil was not changed it caused multiple equipment failures due to the oil degradation.

BEFORE CASTROL

- Lubricant cost: \$43,200
- Annual labor cost: \$21,600
- Oil disposal cost: \$16,200
- **Total maintenance cost per eight years: \$81,000**

AFTER CASTROL

- Lubricant cost: \$27,000
- Annual labour cost: \$5,400
- Oil disposal cost: \$4,050
- **Total maintenance cost per eight years: \$36,450**

THE SOLUTION

- The Challenge: Reduce total maintenance cost of conveyor drive gearboxes at automotive final assembly.
- After introduction of Castrol Optigear 1100/220 gear oil, combined with Castrol oil sampling and filtration programs, oil service life was increased over eight times. Original fill of Castrol Optigear 1100/220 oil has served for eight years.
- This solution is very important to the customer because of the reduced cost for new lubricant, significant labor cost reduction and lower disposal cost.

- Customer was looking for significant reduction of total maintenance costs for conveyor drive gearboxes at automotive final assembly.
- Castrol Optigear 1100/220 has delivered the desired benefits at the right cost. Customer return on investment in Castrol product is over 1.5 times.

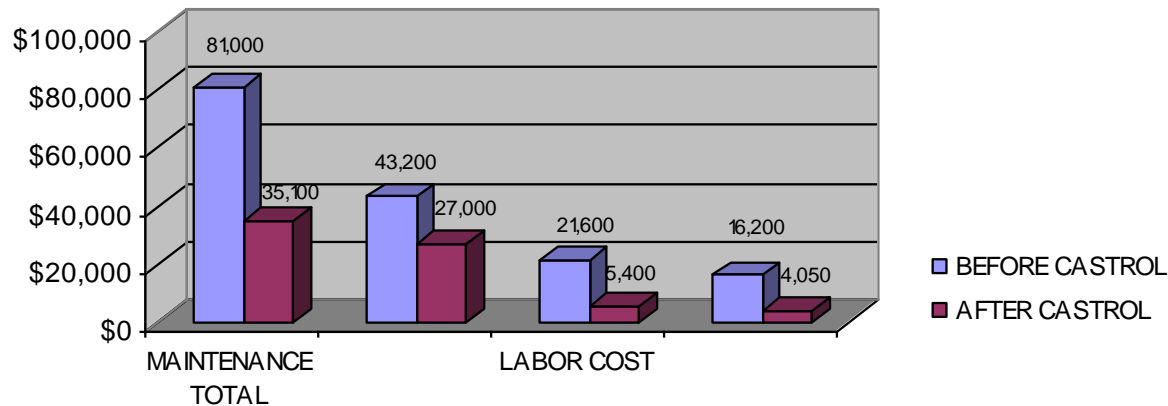
RECOMMENDATIONS

Use Castrol Optigear 1100 high-performance gear oil in critical gearboxes with good integrity to benefit from long oil service life and to better protect equipment.

CONCLUSION

- Total maintenance cost savings per eight years: \$44,550 (only oil cost and oil changeover labor included)

**COST SAVINGS CASE STUDY WITH
CASTROL TRIBOL 1100/220 GEAR OIL**



OTHER POTENTIAL APPLICATIONS

- Castrol Optigear 1100 series gear oils are ideal for any area of automotive final assembly plant where gear oil is required.
- The application of Castrol Optigear 1100 series gear oils will significantly increase equipment life, reduce total maintenance costs and provide overall trouble-free operations.

Castrol, the Castrol logo and Optigear are trademarks of Castrol Limited, used under license.