

SUCCESS WITH TRIBOL SW 1066

in Overhead Chain Conveyor Lubrication at Car Assembly Plant

AUTOMOTIVE (USA)

ASSEMBLY – OVERHEAD CHAIN CONVEYORS

Castrol Tribol® SW 1066/68*

ANNUAL SAVINGS: \$10,091

THE SITUATION

- A major car manufacturer had been using an unapproved overhead conveyor lubricant for many years.
- According to the new regulations set for themselves, the customer's plants were required to change all fluids to those that had been internally tested and approved from their central engineering group.

THE SOLUTION

- Castrol Application Engineer thoroughly analyzed the situation and recommended Tribol SW 1066/68 approved lubricant for this application.
- The customer made the decision to try this lubricant for 6 months to compare performance with their currently used oil.
- One overhead chain lube system was completely isolated from the central reservoir and filled with Tribol SW 1066/68. Inspections were performed on a regular basis. The results of these inspections are as follows:
 - ✓ Chain is well lubricated and in the excellent working condition. No wear noted. No oil dripping from the chain to the floor, even at chain inclinations of 45 degrees where dripping is most susceptible.
 - ✓ Due to the high adhesiveness of Tribol SW 1066, the amount of oil per shot was adjusted and consumption was reduced in half.
 - ✓ After a 6-month trial, the customer completely changed to Tribol SW 1066/68.



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RECOMMENDATIONS

- Castrol Tribol SW 1066 high performance lubricant was originally developed to lubricate the slides and ways of modern metalworking machine tools and was used at this facility for many years to lubricate floor conveyors.
- However, as proved by this trial, Tribol SW 1066 can be successfully used for overhead chain conveyors as well, due to its adhesive nature and excellent anti-wear protection for the chain surfaces.

CONCLUSION

- Customer's request to have an approved lubricant was met.
- Oil usage was cut by 50%!
- **Annual savings - \$10,091**



	BEFORE	AFTER
LUBRICANT TYPE	Conventional	High Performance
APPROVAL STATUS	Not approved	Approved
ANNUAL USAGE	24 Drums	12 Drums
USED OIL ANNUAL COST	\$20,182	\$10,091
TOTAL SAVINGS		\$10,091

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