

* Formerly known
as Tribol 1066/220

CaseStudy

The Challenge: Stop Ball Screw Failures on the Rod Line

Castrol Tribol SW 1066-220 Way Oil*

\$417,240 Cost Savings

Eight (8) ball screw failures in the first two years lead to lost production, labor and parts cost.

Castrol Tribol SW 1066-220 eliminated ball screw failures and increased production on the Rod Line.

Before:

- Excess way oil in coolant system
- Eight ball screws failures in two years.
- 1 Ball screw = \$12,000, Bearings and seals = \$1,280
- Lost production: 6 hrs per ball screw =
3240 Rods @ \$12.00 per Rod = \$38,880

After:

- No ball screw failures in 5 years
- Improved coolant system life
- Increased production
- Way oil usage reduced

Result:

Tribol SW 1066-220 Way Oil replaced competitor's way oil and solved the problem.

Tribol SW 1066-220 Way Oil's resistance to coolant wash along with Castrol's problem solving abilities contributed to the solution.



Due to the coolant wash off resistance of the Tribol SW 1066-220, ball screw failures and subsequent downtime were eliminated.

Recommendations:

The customer could not meet production levels because of ball screw failures. They came to Castrol for help due to lack of service from the competitor. After identifying the root cause of the problem, we recommended the change to Tribol SW 1066-220 due to wash off of the oil film on the ways with the existing oil.

Conclusion:

Castrol's Tribol SW 1066 Way Oil combined with engineering service and expertise solved a major problem for the customer.

Potential Applications:

Castrol was invited to participate with the problem solving and project team to help solve future problems.

Segment: Automotive

Sub Segment: Engines

