

METALS (USA)

Continuous Casters

Castrol Anvol® SWX 68*

5-YEAR SAVINGS: \$8,000



THE SITUATION

Continuous casting hydraulic systems require a high-performance fire-resistant hydraulic fluid.

A major steel manufacturer was using a competitive fire-resistant fluid for their hydraulic systems. The hydraulic cylinder system operates only during setup, every 24 hours. The hydraulic oil sits during this time under high temperatures. The idle time combined with high temperatures caused the water glycol product to separate and plug hydraulic valves. The customer requested a product to help solve this problem.

BEFORE CASTROL

- Water glycol separation
- Plugged hydraulic valves – approx eight per year

AFTER CASTROL

- Synthetic ester technology with Factory Mutual approval
- No plugged hydraulic valves in five years of continuous service with Castrol Anvol SWX—savings of \$200 each failure—in parts alone!

THE SOLUTION

- After a full evaluation of the application, working closely with the waste water treatment provider, a recommendation was made to use the high-performance Castrol Anvol SWX.
- Castrol Anvol SWX eliminated parts replacement for the hydraulic valves.

- Right lubricant for the right application
- Superior technology
- Experienced engineering services

*Formerly known as
Anvol SWX 68 FM



RECOMMENDATIONS

Castrol Anvol SWX is able to handle the very harsh working conditions of caster hydraulic systems while still reducing the overall waste treatment costs.

CONCLUSION

- Parts replacement costs reduced by \$8,000 over a five year period.
- Positive impact on production volumes
- Increased labor availability by reducing failures



OTHER POTENTIAL APPLICATIONS

Castrol Anvol SWX is ideal for any area of steel production where a fire-resistant hydraulic fluid is required. The application of Castrol Anvol SWX will significantly increase equipment life and provide overall trouble-free operations.