

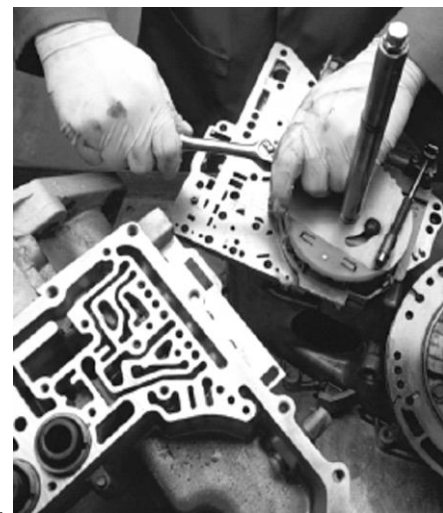
Transmission Final Washer Success

AUTOMOTIVE (USA)

TRANSMISSIONS

Castrol Techniclean® XHP*

ANNUAL SAVINGS: \$78,500



THE SITUATION

A leading automotive manufacturer was having severe foam, odor, and biological issues with their Ransohoff final assembly washer system. A large amount of transmission fluid is cleaned off the finished parts and gets carried into the washer.

The competitor fluid was not rejecting the oil fast enough, even with the use of a centrifuge. This created foam, odor, and biological activity. Due to all the issues, the washer was being dumped and recharged weekly on a regular PM schedule (850 gal capacity).

BEFORE

- Poor oil rejection
- Constant foaming
- Biological growth and odors
- Constant centrifuging

AFTER

- Reduced concentration by 50% (from 4% to 2%)
- Exceptional oil rejection
- Eliminated need for centrifuge
- Eliminated bio, foam, and odor issues

THE SOLUTION

- The objective was to eliminate foam, biological growth and odors, while reducing usage/cost, and extending system life.
- Working with the customer, the Castrol on-site team recommended a fluid that was known to have excellent oil rejection properties.
- The addition of a Smart Skim unit (\$600 one time cost) was utilized to replace the centrifuge. This unit constantly skims the rejected oil from the cleaner.
- The change resulted in the elimination of the foam, bio and odor concerns.

- Technologically advanced product coupled with problem solving expertise
- Customer buy-in and support throughout

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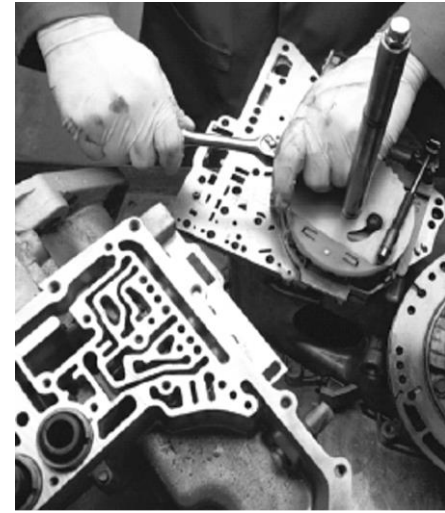
RECOMMENDATIONS

The proposal was made to convert the system to a proven fluid that was designed to more effectively reject the tramp oil. We also recommended charging the system at ½ the previous concentration, since the Techniclean XHP delivers this performance at low concentrations. The fluid is run successfully at ambient temperatures (no heat added).

CONCLUSION

One year after the conversion, the data shows a reduction in concentrate usage, elimination of the reoccurring centrifuge cost, and overall reduction in operating cost. The customer was able to extend system dumps out to a monthly basis versus the previous weekly PM.

The result was a total of \$78,500 in annual savings.



OTHER POTENTIAL APPLICATIONS

Castrol Techniclean XHP is an excellent choice for high pressure applications working with any type of metal. It has great oil rejection properties and provides rust protection even at very low concentrations.