

## CASE STUDY HYDRAULIC

### Customer

Transmission pump manufacturer.

### The Problem

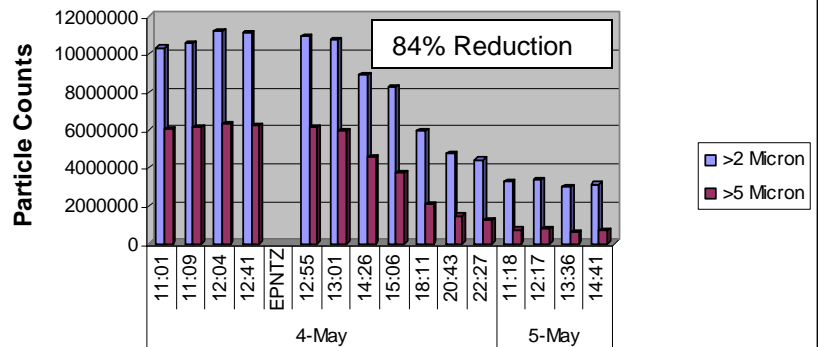
Contamination in the test stand is being transferred into the product being tested. Open loop test stands that functionally test product before release have the inherent problem of actually adding contamination into the system. As newly machined products are tested, metal shavings, rag lint, etc. can be "washed" into the return sump. As this builds up it is ultimately picked up in the test oil of a new product and may actually increase the contamination level of the product coming out of final test.

### The Solution

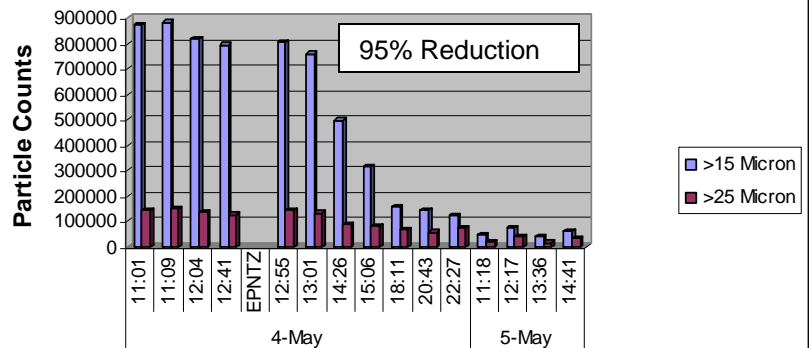
The existing inline filtration wasn't doing enough. Adding additional inline filtration could cause performance test concerns with back pressures or restricted inlet flow. So an EP NTZ's ALH 58 micro filtration system was installed in bypass to achieve optimal test fluid cleanliness. The contamination levels (particle counts) of the oil in the sump were reduced dramatically. New product is now being tested with clean oil. The test stand is not contributing to the product contamination.

### Protect Your Product From Your Test Stand Contamination

Filtration Particle Counts



Filtration Particle Counts



Test Stand Sump & example of the contamination the NTZ Filter captures.

**PPM LEVELS AND FIELD FAILURES HAVE REDUCED SIGNIFICANTLY. IT JUST MAKES SENSE TO USE THE CLEANEST FLUID POSSIBLE IN YOUR TEST STAND.**

EP NTZ Micro Filtration, LLC

The smart choice.

2424 John Daly  
Inkster, Michigan 48141 USA  
1.313.792.1740  
1.866.PUR OIL 1  
www.epntz-filter.com