



SERFILCO®

SB-27B

SUBJECT: TRANS-O-FILTERS FOR RE-USE OF HYDRAULIC OIL

Hydraulic oil does not wear out . . . it simply becomes contaminated in use. Therefore, questions have been raised as to what to do with dirty, contaminated oils used for hydraulic systems. With filtration, it can be clarified and used over and over again.

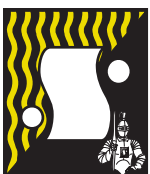
The answer, therefore, is not to be seeking ways in which to dispose of dirty, contaminated hydraulic oil, but rather how to extend the useful life of the same oil.

The new emphasis on reclaim/recover/recycle, now makes Serfilco Trans-O-Filters even more appealing than before. Below are case histories summarizing the performance and operating cost of typical installations. Note that average cost per gallon recovered does not include the small amount of labor and electricity required.

1. Injection Molding Company: Trans-O-Filter Model, S180(3) 1S W1 12-P. Injection molding machines, 21 total, 400 to 2,000 gallon reservoirs for a total of 7,100 gallons.

Initially provided 15 micron cartridges. A total of 96 cartridges were used the first six months. Total cost for filtering 7,100 gallons of hydraulic oil for six months - \$0.024/gallon (2-1/2 cents/gallon).
2. Injection Molding Company: Trans-O-Filter Model, S120(3) 1S W1 12-P. Injections molding machines, 16 total, 50 to 260 gallon reservoirs for a total of 2,800 gallons. The 12 initial cartridges (5 micron) and 60 replacements lasted 2 years. Total cost of filtration: \$0.02/gallon(2 cents/gallon) for year.
3. Hydraulic Component Manufacturing: Oil Reconditioning Station, Model 500RS-12-S. Recovery of hydraulic test oil. Process 500 gallons/week @ 1/2 micron nominal filtration. PL718-26 - \$11.00 each and use one/month, @ \$1320.00. Total cost of filtration: \$0.0053/gallon (1/2 cents/gallon/year).
4. Manufacturer - Blow Molding: Trans-O-Filter, Model S120(2) 1/2S TS6-P. Blow machines, 6 total. Initially provided with 5 micron cartridges. Total of 24 used first six months to recover dirty oil in storage and maintain clarity of oil in blow molding machines. Total cost for filtering 1,800 gallons for 6 months - \$ 0.033/gallon (3.3 cents/gallon).

Portable Trans-O-Filters, some of which might be hand-carried, are taken by the service man into the pit area of hydraulic elevators, escalators, and door openers found in multi-story buildings, office centers, department stores, etc. and through simple recirculation, they restore used oil to like-new condition. Additions, when necessary, replace additives super-abundantly to make up for those which may have been depleted. This practice is followed by all the major elevator manufacturers.



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