



CONSERVATION OF RESOURCES

TDS-A SAVES TENS OF THOUSANDS IN OIL-RELATED EXPENSES FOR INJECTION MOLDING EQUIPMENT

Technical Application Bulletin

CHALLENGE

A customer utilizing injection molding equipment for plastic packaging production was spending \$25k or more monthly on new oil purchases and waste oil disposal due to high levels of water contamination and condensation within the oil reservoirs.

APPROACH

Schroeder Industries conducted lab testing on samples of waste oil from the customer's plant, confirming that the issue was water-related and not oil volume-related. To reclaim waste oil and protect the injection molding equipment from excessive water contamination, Schroeder recommended a TDS-A Triton® Dehydrating unit to service the customer's suite of 30+ machines.

RESULTS

- Water content and ISO reduced to 50-200ppm, 16/14/12; these values were an improvement over those of the customer's new/virgin oil
- 3 weeks of TDS-A service saved \$20,000 (covering the initial unit price)
- Estimated savings of \$25-30k monthly on oil-related expenses
- In two days, customer recovered four 55gal drums of oil for 220gal total oil savings and \$500 per drum

♦ The Triton Dehydration Station® series uses patented mass transfer dewatering technology to eliminate 100% of free water and up to 90% of dissolved water.

♦ TDS-A: 120 gallons/hour or 2.0 gpm (7.6 L/min)



\$25K/MONTH
IN OIL EXPENSES DUE
TO WATER INGRESSION

16/14/12

ISO CODE REACHED;
CLEANER THAN THEIR
'NEW' OIL



\$20k USD
SAVED IN JUST 3 WEEKS
OF TDS-A OPERATION

\$25-30k
SAVED PER MONTH ON
OIL RELATED EXPENSES



220gal
OIL RECLAIMED IN
JUST TWO DAYS

