

# SPINNER II<sup>®</sup> *PROFIT* *BUILDER*

*You'll Be Dollars Ahead*

A Newsletter on Money-Saving Ideas From  
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*RIVER TUG*

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## River Towboat Application of CS Oil Cleaning System Keeps Engine Lube Oil Cleaner

Towboat and ship propulsion systems in river and ocean service annually use thousands of gallons of engine lube oil and hundreds of disposable filters. New regulations mandate special disposal procedures for used oil and spent lube filters which adds cost to this routine engine maintenance. Installation of the Spinner II CS Oil Cleaning System reduces disposal costs and removes fine abrasive contaminants that accelerate engine wear.

In a side-by-side comparison on two EMD 12-645 E2 diesel engines powering a Mississippi River towboat, the port engine was equipped with a CS 330 — 0960

centrifuge/screen oil cleaning system, and the starboard engine remained unmodified, with the original shipyard-installed multi-element cellulose disposable full-flow filter.

Size distribution counts (see graph below) on abrasive particles >5µm in size from samples taken throughout the 1000 hour test prove how the separating power of the centrifuge coupled with the debris-trapping ability of the dutch weave full-flow screen maintain significantly cleaner lube oil (40% better) than that possible with traditional media filtration — and reduce cost by eliminating purchase & disposal of spent cellulose media full-flow filters.

