

Dilmar Fluid Services ***STRIVING FOR A GREENER WORLD***



Dilmar Fluid Service, Atlanta, GA / Florence, Columbia, Charleston, SC / Charlotte, Wilmington, NC

Dilmar Fluid Service

Founded in 1932, Dilmar is a diversified company with primary focus on the distribution of petroleum products, retail and wholesale, for 75 years. In 1998 Dilmar entered the fluid reclamation business to meet the demands for the industrial base in the Southeast United States. The future of the lubricant business is with providing "Total Fluid Services "from cradle to grave" to the end user. Dilmar has made that commitment to our customers.

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Products to Consider for Reclamation

- Turbine Oil
- Hydraulic Oil
- Quenching Oil
- Paper Machine Oil
- Synthetic Oil
- FR Hydraulic (Fire Resistant Fluid)
- Industrial Gear Oils
- Other Industrial Oils
- Cutting Oils-Neat
- Cutting Oils-Soluble
- Cutting Oils-Synthetics

Reclamation Services

- Leakage Oil Reclamation
- Emergency Water Removal
- Emergency Particulate Removal
- Initial Fill Filtration
- Reservoir Cleaning
- Rental Equipment

DFS Benefits

- Total lubricant cost reduction
 - Reclamation at 40-60% cost of new
 - Reduced new oil purchases up to 90%
 - Lower waste oil disposal charges
- Achieve ISO Cleanliness Code Target
- Reclamation maintains longer life of lubricants and production machinery
- Approved by oil suppliers and most manufacturers

On-Site DFS Program

Advantages

- Local availability in the Southeast
- Four Mobile Reclamation Units
- Schedule for any date, or as required
- No equipment downtime, equipment can operate along side your machine (dialysis).
- Cleans the entire system
- Minimize customer potential liability, since oil is not transported off-site
- Emergency service availability

DFS Reclamation Units

Completely self-contained operation

- On-board diesel generator unit
- Four Storage tanks (950 gals/each)
- Centrifuge Unit
- Filtration Units (9)
- Vacuum Dehydration Unit
- Additive addition System
- Complete secondary containment
- On-board computer and lab testing

Centrifuge Unit

- Up to 3000 gallons per hour
- Separates and removes free water from the oil
- Removes large amounts of particles, cost effectively
- Low temperature heat to 100-120°F.



Filtration Units

- Nine stages of filtration per pass
 - Two Bag filter units
 - Six in-line canister filter units
 - One final polishing filter unit



Dehydration Unit

- Removes free and emulsified water at 3000 gallons/hour
- Operates at low temp. 140-150°F and will not stress the oil



On-Board Lab

- Laser Particle counter
- Water content
- TAN or TBN
- Viscosity
- PCB, Chlorine and Halogen testing



Typical DFS Program

- A “before” sample taken to determine:
 - Reclaim or discard to waste
 - Necessary to re-additize?
- Reclamation truck arrives On-site and processes until completion.
- Waste by-products left with customer.
- Key laboratory tests run on-site and detailed report left with customer.
- Additional “after” sample sent to independent Lab.

Typical DFS Results

HYDRAULIC FLUID AW 68

BEFORE



AFTER



DFS Oil Reclamation Summary

- **Lowers Total Lubricant Costs**
 - Save 40 to 60 % “Total Fluid” costs
- **Improves Oil Quality**
 - Extends oil life
 - Extends machine life
- **Total Fluid Concept**
 - Fluid Testing
 - Maintenance program with oil analysis
 - Reclamation by qualified company
- **Environmental Impact**
 - Up to 90% less New Oil used
 - Reduction in liability of the disposal of used oil.