

# Mobile Tank Cleaning System

## MTC-500

The **MTC-500** is a three stage, industrial Mobile Tank Cleaning System to recondition, stabilize and decontaminate **oil, hydraulic fluids and diesel fuel**. It efficiently removes water, sludge, particulate and sediment that naturally accumulate in tanks. The MTC-500 excels in **low operating cost** and **compact design**. This high performance machine is shipped complete and “Ready to Go”.



- Stage 1:** The separator / coalescer removes water and particulate that are easily drained by opening the valve on the bottom.
- Stage 2:** The ALGAE-X<sup>®</sup> Fuel Conditioner reconditions and stabilizes the fuel, reversing the process of fuel deterioration and buildup of tank sludge.
- Stage 3:** The industrial type water block fine filter removes emulsified water and very fine solids down to 3 microns.

<b>MTC-500</b>	
<b>Pump Rate</b> Self priming rotary vane pump, integrated, adjustable bypass valve	8 gpm 480 gph
<b>Viscosity</b>	Up to 500 cSt
<b>Discharge Pressure</b>	Adjustable, up to 80 PSI
<b>Ports / Quick Disconnect</b>	1" & 3/4"
<b>Clear Vacuum Suction Hose</b>	1", 25ft
<b>Flexible HP Discharge Hose</b>	3/4", 25ft
<b>Motor *</b> EN & CE approved Requires single phase 20A circuit	115V / 230V
<b>LG-X Model</b>	1500
<b>Weight</b>	140 lbs
<b>Dimensions (H x W x D)</b>	48" x 22.5" x 25"
<b>Separator</b>	Maintenance free, centrifugal water separator / coalescer
<b>Spin-on filter</b>	Water block filter: 3 or 10 mic. Fine filter: 3, 10, or 25 micron

\* Not for use with fluids that have a flash point below 100°F (e.g. Gasoline, ...)

**ALGAE-X<sup>®</sup> MTC Systems** are built with **industrial quality components** mounted on a **heavy-duty aluminum cart**. The clear suction hose shows flow and clarity. A large drip tray is designed to prevent spillage. **Fuel and Oil can be polished without using any consumables** by connecting the discharge hose to the quick disconnect bypassing the filter. A **pressure gauge** is installed on the spin-on filter head to ensure **optimal filter usage**. The vacuum gauge monitors the water separator's condition and the Y-Strainer protects the pump.

**ALGAE-X<sup>®</sup> Fuel Catalyst (AFC-705)** The use of **AFC-705** is an **essential part of any tank cleaning procedure**, to more rapidly and efficiently decontaminate and clean the **entire fuel system**. AFC-705 removes sludge, slime and bio-fouling from tank walls and baffles that can't be reached with the suction line. **AFC-705 is a full spectrum fuel additive** containing combustion catalyst, surfactant, detergent, dispersant, corrosion inhibitor, lubricity enhancers and fuel stabilizer that **eliminates the need for expensive toxic biocides**.

**Larger capacity fuel polishing and tank cleaning systems are available.**

**Critical Fuel Technology, Inc.**

PO Box 395, Madison Lake, MN 56063 Phone 507-995-0070 Fax 507-243-3595 [www.criticalfueltech.com](http://www.criticalfueltech.com)