

ULTIMATE CHEMICALS HDF – HEAVY DUTY FLUSH PROCEDURES

STEP 1

- 1. Record water pump pressure and all temps.
- 2. Shutdown/Remove Surge Tank Cap.
- 3. Drain coolant and dispose.
- 4. Remove Surge/Day Tank Caps.
- 5. Install 1" ball valve on each side of block underneath rail.
- 6. Fill with HDF (Ready to Use) until overflow from Surge/Day Tank.
- 7. Run Unit 168 hours to 336 hours.

STEP 2

- 1. Shutdown/Remove Surge Tank Cap.
- 2. Power wash Surge Tank with <u>STH Surge Tank Hose</u> (while still hot and full). Let particles overflow. (15-20 min)
- 3. Drain Flush via ball valve on each side of block underneath rail. (dispose)
- 4. Fill with HDF (Ready to Use) until overflow from Surge/Day Tank.
- 5. Run Unit 168 hours to 336 hours.

STEP 3

- 1. Shutdown/Remove Surge Tank Cap.
- 2. Power wash Surge Tank with <u>STH Surge Tank Hose</u> (while still hot and full). Let particles overflow. (15-20 min)
- 3. Drain Flush via ball valve on each side of block underneath rail. (dispose as you would old coolant)
- 4. (Rust Removal Flush If Needed)
 - 1. Fill with <u>RRF</u> Rust Removal Flush and run 2 hours at temp. Drain Flush and dispose.
- 5. Fill with deionized water until overflow from Surge/Day Tank.
- 6. Run Unit until up to temperature and thermostats open.
- 7. Continue to pump in deionized water until overflow at the top from Surge/Day Tank and ball valves on other side. (2 x volume) overflow until clean.
- 8. Inspect water pump and replace thermostats.
- 9. Drain Unit / Fill with New Coolant*

*(Best Practice) Do not leave or run with water only.

(Fill with coolant mix and CRI – Corrosion Rust Inhibitor – recommended)