

# AdvanceClean™ EJC 100 Cooling System Cleaning Solution

Solvent/Surfactant Blend for Removing Polymerized Glycol & Sludge from Multistage Cooling Systems

Polymerized glycol and organic sludge accumulate in stationary engine compressor cooling systems over time, restricting flow, reducing heat transfer efficiency, and accelerating corrosion. **AdvanceClean EJC 100** is a biodegradable solvent/surfactant blend engineered to break down and remove these deposits — restoring cooling performance and extending equipment life.

## RESTORES HEAT TRANSFER

Dissolves polymer buildup and sludge that insulate heat exchanger surfaces, returning cooling efficiency to design specifications.

## REDUCES DOWNTIME

Cleans while circulating through the existing system — no disassembly required. Multistage systems can be cleaned in a single pass.

## BIODEGRADABLE & SAFE

Contains no heavy metals. Biodegradable formulation simplifies disposal and reduces environmental compliance burden.

## PROVEN MULTI-CYCLE APPROACH

Multiple cleaning cycles at moderate concentration (10–20%) outperform a single heavy dose in severely fouled systems.

## SIGNS YOUR COOLING SYSTEM NEEDS CLEANING

### ELEVATED TEMPERATURES

Operating temperatures rising above baseline with no change in load or ambient conditions

### FLOW RESTRICTION

Declining coolant flow rates, increased pump discharge pressure, or clogged strainers and filters

### DEGRADED COOLANT

Dark, opaque, or gel-like coolant appearance; repeated coolant chemistry test failures

### STANDARD CLEANING

# 10%

10 gal per 100 gal system capacity  
Light to moderate contamination

### HEAVY CLEANING

# 20%

20 gal per 100 gal system capacity  
Severe contamination · multiple cycles recommended

Follow these steps for each cleaning cycle. For severely contaminated systems, repeat the full process two to three times at 10–20% concentration for best results.

- 1 COLLECT BASELINE SAMPLE**  
Collect a 16 oz sample of working coolant in a labeled container. Record date, system ID, and visual observations (color, clarity, solids).
- 2 DRAIN FOR EJC 100 VOLUME**  
Drain coolant equal to the planned EJC 100 volume (10% or 20% of total capacity). Use the lowest drain point; open high-point vents.
- 3 ADD EJC 100**  
Add the calculated volume of AdvanceClean EJC 100 to bring the system back to normal operating level.
- 4 CIRCULATE AT 170°F+**  
Circulate through all stages, heat exchangers, and auxiliary circuits. Open isolation valves to include dead legs. Run 24–72 hrs based on severity. Milky appearance is normal.
- 5 DRAIN COMPLETELY**  
Drain from the farthest point and work back. Open all low-point drains and high-point vents to fully evacuate heat exchangers and auxiliary loops.
- 6 RINSE WITH FRESH WATER**  
Flush until discharge water is clear and pH reads 7.0–8.5 (neutral). Use pH strips or meter to verify.
- 7 INSPECT & SAMPLE**  
Inspect accessible areas for remaining deposits. Collect a 16 oz post-cleaning sample. Compare against the Step 1 baseline.
- 8 EVALUATE & REPEAT**  
If contamination remains, repeat from Step 2 using the post-cleaning sample as the new baseline.
- 9 REFILL WITH OPERATING COOLANT**  
Once clean, refill with a high-quality, scale-inhibiting antifreeze/coolant mixed with DI water to manufacturer specs. Select a chemistry (OAT or HOAT extended-life) compatible with your system's metallurgy — copper, aluminum, and cast iron components common in stationary engine compressor cooling circuits.



Multistage compressor cooling system — typical piping configuration

## PRODUCT SPECIFICATIONS

- ▶ Solvent/surfactant blend
- ▶ Biodegradable formulation
- ▶ Contains no heavy metals
- ▶ Circulating temperature: 170°F minimum
- ▶ Dosage: 10–20% by volume
- ▶ Compatible with multistage cooling loops

## RECOMMENDED FOR

- ▶ Stationary engine compressor cooling systems
- ▶ Multistage heat exchanger circuits
- ▶ Polymerized glycol removal
- ▶ Organic sludge and scale cleaning
- ▶ Preventive maintenance programs
- ▶ Pre-coolant-change system preparation

## ENVIRONMENTAL & DISPOSAL

AdvanceClean EJC 100 is biodegradable and contains no heavy metals. Dispose of depleted cleaning solutions through a licensed disposal company in compliance with applicable state and federal regulations. Do not discharge into storm drains, surface water, or sanitary sewer systems without local authorization.