

In-Service System Cleaner

- ***Simple, safe, aggressive system cleaning without shutting down equipment or slowing production***
- ***Use just prior to routine oil changes or before flushing when changing oil brands or types***
- ***Recommended for use in hydraulic systems, rotary screw and reciprocating compressors, industrial gear boxes, differentials, final drives and engines***

SWEPCO 728 In-Service System Cleaner is a concentrated fluid formulated with aggressive detergents and dispersants that remove varnish, sludge, gum, soot, carbon, lacquer and other harmful deposits from hydraulic systems, rotary screw and reciprocating compressors, industrial gear boxes, engines, differentials and final drives. It is added directly to the oil system and run for a short cleaning period immediately prior to a drain.

Intricate oil passages, sumps, reservoirs, relief and check valves, servos, fluid lines, cylinders, accumulators, pumps, separators, coolers and other oil system components can retain harmful deposits that build-up and degrade performance and efficiency.

Simple oil drains do not adequately rid systems of these deposits, especially in systems like hydraulics and compressors where detergent and dispersant additives are typically not part of oil formulations. So new oil added after drains quickly becomes



contaminated by harmful deposits that remain after used oil is drained.

SWEPCO 728 breaks down deposits, neutralizes harmful acids and cleans metal surfaces without damage to seals or gaskets. Often this reduces operating temperatures and wear rates and improves efficiency of equipment.

Regular use of SWEPCO 728 before scheduled oil drains helps insure optimum cleanliness and freedom from maintenance issues.

Because incompatibilities between different oils can have undesirable effects when changing oil brands or oil types, SWEPCO 728 is also highly recommended as part of any flushing procedure.

By dissolving deposits left throughout the system by the old lubricant and putting them into suspension, SWEPCO 728 insures a more complete flush and decreases the possibility of problems when changing oils.

DIRECTIONS

Determine the proper amount of SWEPCO 728 In-Service System Cleaner to be added to the oil system by dividing the system's oil capacity by the second number listed in the "Treat Rate" column in the chart below.

Example -- For a hydraulic system that has an 8 gallon capacity, divide 8 gallons by 16, yielding a result of 0.5 or 1/2 gallon.

Measure out that amount of SWEPCO 728 and add it directly to the oil system when the unit is at regular operating temperature. (If necessary, first drain that amount of used oil out of the system before adding to prevent over-filling.)

Then run the system under normal operating conditions for the "Cleaning Time" mentioned in the chart below.

When the "Cleaning Time" has expired, **immediately** stop the unit, drain the entire system and replace filter(s).

Then refill with identical new oil or complete a flushing procedure with SWEPCO 729 Premium Flushing Oil to change oil brand or type.

WARNINGS

SWEPCO 728 is **not** recommended for cleaning:

- any automatic transmission
- automotive manual transmissions
- turbines
- rotary vane compressors
- axial compressors
- railroad engines (or other engines with silver components)

It is **not** recommended for cleaning systems with PAG, glycol, silicone or biodegradable fluids, unless used as part of a complete flushing procedure prior to changeover to a mineral oil, PAO or vegetable oil based biodegradable lubricant.

Do **not** use more product than is recommended. Do **not** exceed recommended cleaning times. Do **not** overfill oil systems; some old oil may need to be removed to make room for the recommended amount of SWEPCO 728. Drain oil immediately at end of recommended cleaning cycle so contaminants are still in suspension.

If used as part of a complete flushing and changeover, use SWEPCO 728 as the first step before use of SWEPCO 729 Premium Flushing Oil.

Application	Treat Rate	Cleaning Time
Hydraulic Systems	1:16	60 Minutes
Rotary Screw or Reciprocating Compressors	1:32	30 Minutes
Industrial Gear Boxes	1:16	60 Minutes
Differentials	1:16	60 Minutes
Final Drives	1:16	60 Minutes
Diesel or Gasoline Engines	1:8	4 hours



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