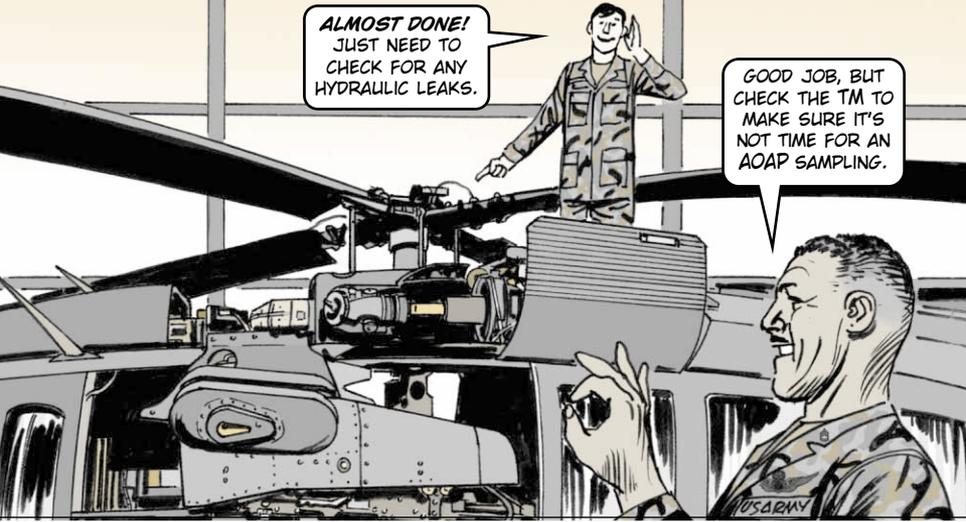


# STOP Hydraulic Oil Contamination



ALMOST DONE!  
JUST NEED TO  
CHECK FOR ANY  
HYDRAULIC LEAKS.

GOOD JOB, BUT  
CHECK THE TM TO  
MAKE SURE IT'S  
NOT TIME FOR AN  
AOAP SAMPLING.



- Aircraft hydraulic fluid must be clean so hydraulic systems remain operational.
- Aircraft hydraulic systems are easily contaminated if you use leftover open cans of hydraulic oil. Always use a fresh can of approved oil per your TM. The can lid and can opener must be clean, too.
- Always use clean rags to wipe off exposed lines and openings. Use of dirty rags or tools will contaminate hydraulic systems.
- If your TM says not to mix different types of hydraulic oils, then don't mix them.
- Whenever your aircraft is undergoing any type of hydraulic maintenance, it's especially important to ensure all component/line openings are capped or covered. If a new component is being installed, be sure to remove all the preservative fluid that was shipped in the part.

**W**hen a surgeon performs an operation, he operates with clean tools in an environment that is as free as possible of contaminants which can infect the body. Without surgery SOP, patients could get sick and die from the infection.

Likewise, mechanics, you need to treat your bird's clean hydraulic systems with clean tools and hydraulic oil in a clean environment. When you perform maintenance, such as adding or changing hydraulic oil or removing and installing components on your bird's hydraulic systems, keep them free of contaminants. Keep contaminants out of the process.



Before flushing hydraulic systems, inspect, service and clean or purify the hydraulic servicing unit or hydraulic test stand to be used. That way you won't introduce outside contaminants into your hydraulic oil.



- ✓ Eyeball all hydraulic pumps and reservoir sight glasses for oil level and color.
- ✓ Check for hydraulic fluid leaks. If you find any, refer to the aircraft TM for proper corrective action now. Later might not come around.
- ✓ Eyeball indicator buttons, and if popped, change hydraulic filters. Dirty filters allow contaminants to bypass the filter and muck up the hydraulics.
- ✓ Make sure all hydraulic systems are protected from moisture, dirt, and other fluids.
- ✓ Be sure that all exposed hydraulic pistons are wiped down during preflight.

Follow your TM's hydraulic servicing and maintenance procedures exactly. Take no shortcuts or you and your bird could be put in harm's way.

Keep your bird's hydraulic system's life blood clean and it won't get sick from contaminated fluid. For example, AH-64A/D AOAP sampling should be done every 50 hours. Check out TB 1-1520-238-116 for the details.

