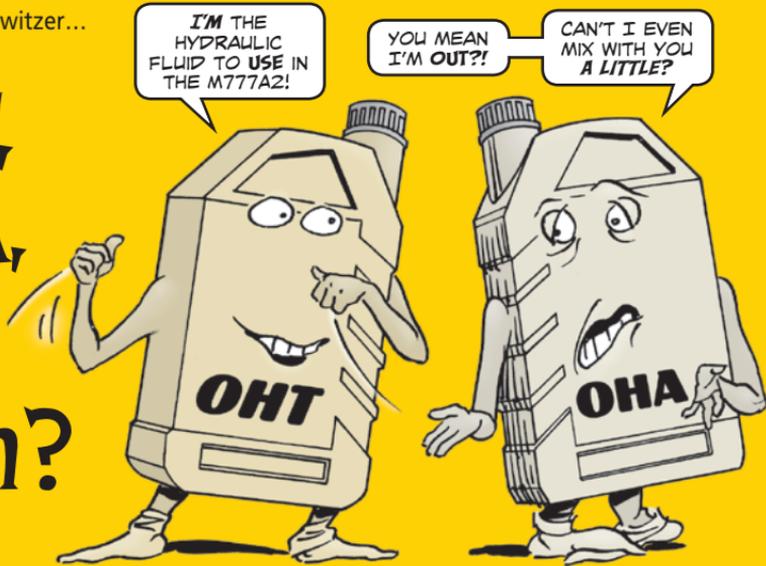


# OHT, OHA, or Both?



Dear Half-Mast,

The lubrication order in TM 9-1025-215-10 (May 10) says to use OHT hydraulic fluid (MIL-PFR-6083) for our M777A2 towed howitzers. It comes in a 1-qt bottle, NSN 9150-00-935-9807, or a 1-gal bottle, NSN 9150-00-935-9808.

We recently found that some of our organizational maintenance personnel are using OHA hydraulic fluid (MIL-PRF-5606), NSN 9150-00-252-6383, instead.

Is it OK to use OHA in these howitzers? If so, can you mix OHT and OHA?

Hans-Juergen Pirner  
Peter Kohler  
Rainer Doerner  
Maintenance Activity  
Vilseck Armament Team  
Germany

Dear Gentlemen,

*The answer to your question is a little tricky. First of all, OHT is definitely the hydraulic fluid to use.*

*It is possible for OHA to be used, but **only in a worst case scenario while in a combat environment.** See Note 2 in Appendix D of IETM 9-1025-215-24&P, Battle Damage Assessment and Repair (BDAR).*

*Also note that the Remarks column for OHT in Appendix D states, "Not interchangeable with any other type or grade of hydraulic fluid. It is compatible with MIL-H-5606, MIL-H-46170, and MIL-H-83282. It can be mixed with these fluids, but cannot be used as a substitute."*

*So as far as your question about mixing the two hydraulic fluids, the answer is a tentative yes, but **only** in the extreme circumstances listed above. Mixing the two will degrade seals and lead to component damage.*

*Half-Mast*