

Machinist's Workshop Mag™ recently published some information on various penetrating oils that I found very interesting. Some of you might appreciate this. The magazine reports they tested penetrates for break out torque on rusted nuts.

They are below, as forwarded by an ex-student and professional machinist. They arranged a subjective test of all the popular penetrates with the control being the torque required to remove the nut from a "scientifically rusted" environment.

*Penetrating oil .....	Average load*
None .....	516 pounds
WD-40 .....	238 pounds
PB Blaster .....	214 pounds
Liquid Wrench .....	127 pounds
Kano Kroil .....	106 pounds
ATF*-Acetone mix.....	53 pounds

The ATF-Acetone mix was a "home brew" mix of 50 - 50 automatic transmission fluid and acetone. Note the "home brew" was better than any commercial product in this one particular test.

Our local machinist group mixed up a batch and we all now use it with equally good results.

Note also that "Liquid Wrench" is almost as good as "Kroil" for about 20% of the price.

Steve from Godwin-Singer says that ATF-Acetone mix is the best and you can also use ATF- lacquer thinner 50 - 50 mix.

\*AFT=Automatic Transmission Fluid