

# Penetrating oils compared

*Machinist's Workshop* magazine tested various penetrants for break-out torque on rusted nuts. Significant results! They arranged a subjective test of all the popular penetrants, with the control being the torque required to remove the nut from a "scientifically rusted" environment.

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

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The ATF-Acetone mix was a "home brew" mix of 50 - 50 automatic transmission fluid and acetone.

Note that the "home brew" was better than any commercial product in this one particular test. A local machinist group has mixed up a batch and use it with equally good results.

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

*Source: Machinist's Workshop*

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