

WHERE CAN I GET A REALLY, GOOD PENETRATING OIL?

"The April/May 2007 edition of Machinist's Workshop did a test of penetrating oils where they measured the force required to loosen rusty test devices. Buy the issue if you want to see how they did the test.

The results reported were interesting. Obviously, the lower the number of pounds needed to loosen the nut or bolt, the better. The results for a simple 50/50 mixture of acetone and transmission fluid is surprising.

Penetrating oil	Average load	Price per fluid ounce
None	516 pounds	.
WD-40	238 pounds	.. \$0.25
PB Blaster	214 pounds	.. \$0.35
Liquid Wrench ...	127 pounds	.. \$0.21k
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ATF-Acetone mix..	53 pounds	.. \$0.10

The ATF-Acetone mix was a 50/50 mix (1 to 1 ratio)

ATF or Automatic Transmission Fluid is that easily obtained red dyed oil used in General Motors automatic transmissions and power steering systems.

Acetone can often be found at hardware stores but it is also called "nail polish remover" and any drug store should have that on its shelves.

I would suggest that you mix it up in small batches that will be used up fairly quickly because the acetone will likely evaporate out of the concoction rapidly. Those who have used this combo have reported good results.

Your mileage may vary.

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