





# Penetrating Oil Showdown

Machinist's Workshop Magazine (March/April or May/June, 2007) actually tested penetrants for break out torque on rusted nuts. Significant results! They are below, as forwarded by an ex-student and professional machinist, Bud Baker.

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.

*Penetrating oil		.....	Average	load*
	None	.....	516	pounds
	WD-40	.....	238	pounds
	PB-Blaster	.....	214	pounds
	Liquid-Wrench	.....	127	pounds
	KanoKroil	.....	106	pounds
	ATF-Acetonemix...		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 about as good as "Kroil" for about 20% of the price.