

# UNSTICK ENGINES WITH KROIL?

*An article published in the January 2008 issue of the newsletter of SAM 26, Bob Angel, editor*

Dick Fischer bought some high tech penetrating oil, one of a series of special products under the name of Kroil. I believe his use was as a de-ruster on his full scale restoration project. But he was curious about whether it would also make a good breakerlooser for frozen up model engines. It's advertised as penetrating into some minute places down to something like a zillionth of an inch. He handed the spray can over to me, since I always have some frozen up engines on hand. I tried it on a Cox 049 and on a bigger 40 size glow engine.

I opened up what holes I could on each engine, without completely disassembling and sprayed in the Kroil. After sitting overnight, neither yielded to moderate pressure on the prop. So I re-sprayed and left both for a second overnight. Same result. I finally went to my usual method and warmed them with a heat gun, which did the job. Apparently trying to penetrate a tightly packed glob of congealed castor oil is a tougher assignment than penetrating rust. But one noticeable result was a really loose and free engine in both cases, once the Kroil worked into the innards. Both seemed to pop over on the prop with more enthusiasm than with other lubricants. Assuming no bad long term effects, it might make a good storage/ after run lube.