

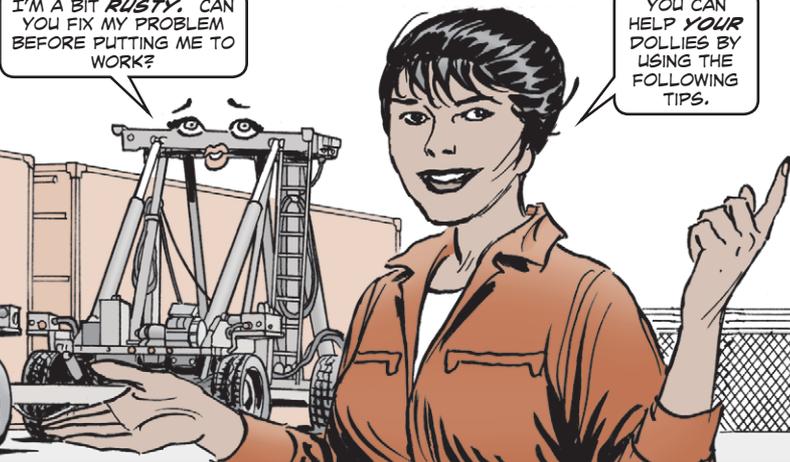
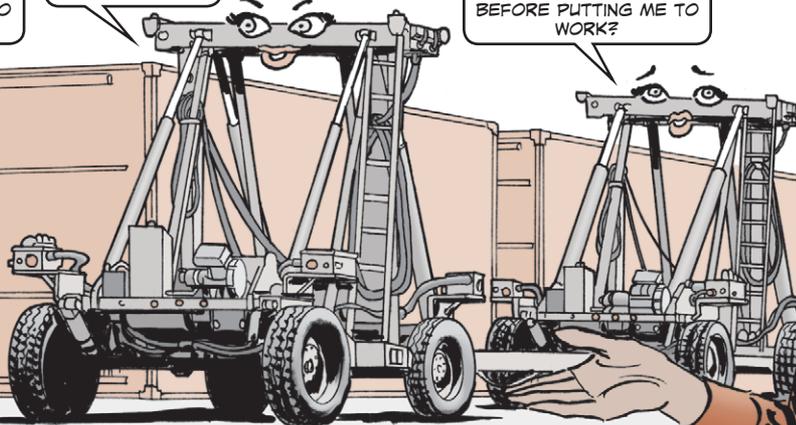
Protect Hydraulic Cylinders

LET'S GO, LADIES. WE'RE GOING TO TAKE THOSE CONTAINERS TO THE FIELD.

I'M READY AND RARIN' TO GO!

I'M A BIT *RUSTY*. CAN YOU FIX MY PROBLEM BEFORE PUTTING ME TO WORK?

YOU CAN HELP *YOUR* DOLLIES BY USING THE FOLLOWING TIPS.



Dear Editor,

I have a good idea to pass on to troops in the field. It'll protect the M1022A1 dolly set's hydraulic cylinders and save the Army money.

Nowhere in TM 9-2330-390-14&P, the TM for the M1022A1 dolly set, are instructions found about protecting the lift cylinders and the positioning cylinders—its hydraulic cylinders—from weather damage. The operator's PMCS only tells you to clean and lube. The organizational PMCS says only how to lube. We need some way to prevent the push rod in the cylinder that's exposed to the weather from pitting, which leads to cylinder replacement.

Hydraulic cylinders aren't cheap. A new lift cylinder assembly costs about \$2,273 and a new positional cylinder assembly costs about \$1,562.

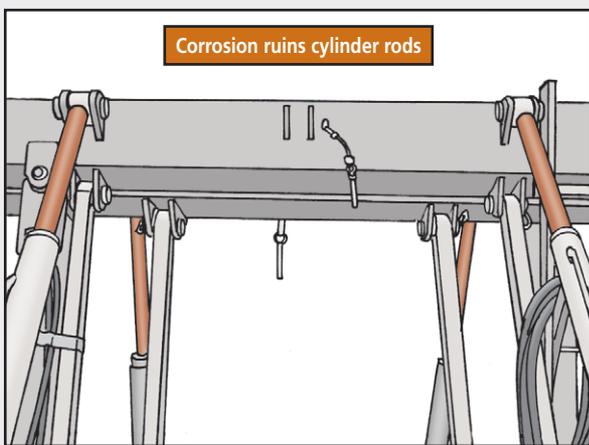
I suggest that units get tube-type pipe insulation from a local hardware store and put it around the exposed push rod on the cylinder. This should cut down on cylinder replacement and save money.

Mr. R.H.
Production Supervisor
FLRC Hood

Editor's note:

Thanks for that useful tip, Sir. Readers, remember that corrosion is no friend to your dolly set. It ruins cylinder rods. In fact, it can pit the rods so badly that seals can't prevent fluid leaks. Once the leaks go to Class III, your dolly set becomes NMC.

Corrosion ruins cylinder rods



Another way to protect hydraulic cylinders and stop corrosion before pitting starts is by exercising the cylinders weekly. That spreads a thin coat of hydraulic oil on the cylinder rods. But if you can't exercise the equipment, put a thin coat of GAA on the rods.

And if your dolly set is going to sit unused for more than a month, you can also coat the cylinder rods with GAA and wrap them with waterproof paper. Then use moisture-resistant sealing tape, NSN 7510-00-852-8180, to hold the paper in place.

By the way, TACOM LCMC told us there is now a \$300 protective bellows assembly, NSN 5340-01-573-1239, PN 8D00411-1, made from special weather and sun-resistant material.

PN 8D00411-1 brings protective bellows

