

Pros & Cons of **synthetic** & **oil based** Rust Preventative (RP) options

Which is preferred?

Which is “best fit” for your needs?

- **Synthetic RP** (we have a number of different ones to suit your needs)
 - **Pros**
 - Most are “dry to touch”
 - Does not attract dust once dry to touch
 - Can be incorporated into an aqueous cleaner
 - Shelf life of “in process” or up to 2 years available (*indoor heated storage*)
 - Easy to remove for “next process” of painting or coating
 - **Cons**
 - Must be dry to work effectively
 - Condensation due to rapid part temperature change can thin/damage the RP
 - Water from any source will thin/damage the RP
- **Oil based RP** (we have a number of different ones to suit your needs)
 - **Pros**
 - Some are water displacing (*will drive water out of part ensuring RP coverage*)
 - Some are highly resistant to water (*won't be thinned/damaged by condensation or rain*)
 - Some are resistant to salt spray (*ocean voyages or sea coast area*)
 - Shelf life of a month to several years available
 - **Cons**
 - Leaves an oily film which attracts dust, etc.
 - More problematic to remove for “next process” of painting or coating
 - some contain wax which is very difficult to remove and causes painting and coating issues (aka nightmares)
 - *wax in RP is however very good if parts are to be stored outdoors*
 - Some are emulsifiable (mix with water) and can be thinned/damaged via condensation or rain

There are many different needs for Rust Preventative (RP). The key is choosing well and then applying correctly to a clean part. Hopefully the info above was enlightening and helpful. There are many variables to consider in deciding if your “best fit” is synthetic or oil based RP. We can help you sort it out. Give us a call or send us an email.

Crown is here to help.

Please do call or email Nancy
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