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Have you wondered ever why often hydraulic cylinders fail to provide with the best performance. The main cause is definitely due to improper functioning of seals. Although hydraulic cylinder seals are not much higher in cost, but failure of these devices can lead to heavy financial loss. Once the seal results in failure of cylinders, heavy losses are bound to happen. In case there is some sort of cylinder problem, it is always better to get it tested by expert professionals. There are several reasons which can lead to hydraulic seal failure. Have a look at some of them:

Failure can happen when seal does not get installed in a proper way. While installing hydraulic cylinders seal, it is necessary to take certain factors into consideration as mentioned below:

â€¢ Perfect lubrication

â€¢ Cleanliness

â€¢ Protection of seal from nicks and cuts

Proper tightening of seal gland is necessary. If it is too much tightened, then problems are bound to happen. It should be taken care during installation while folding over seal lip takes place.

Also, it is necessary to check out the placing of seal. Never place the seal upside down. This may create some serious problem.

While installing such seals, proper precautionary measure needs to be taken. Any careless act can lead to fatal errors.

When the hydraulic cylinder is filled with contaminated fluid, seal failure is bound to happen. Contamination mainly takes place because of deposition of impurities formed from mud, dust, ice, grit, dirt, etc. Then, if the material selection is incorrect, then also there are strong chances of seal failure. Another common factor for such a problem is heat degradation.

It is always necessary to purchase the right set of seals from the manufacturers in order to avoid any dispute or fatal errors.

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