

STREAMLINE BEST PRACTICES

Below are practices that Extreme recommends for successful runs and maximum life of StreamLINE (1-33ZA-SLIC).

- Never actuate both pack-offs at the same time. Always utilize the lower pack-off for normal operation. The upper pack-off should only be used to get out of the well if the lower pack-off fails.
- Use only approved grease while running.
 - Grignard PreLube CC-064A (during initial and subsequent spooling)
 - Oil Center Research 780/24I
 - Mystik JT-6
 - Surtech SBS-163
 - Oil Center Research 780/16I
 - GriMill 50 pmm
 - Oil Center Research 127
 - Self-Seal
- Do not run the following with StreamLINE
 - WD-40 and the like
 - Diesel
 - Hydraulic oil
 - Vegetable oil
 - Motor oil
 - Univis HV (J26)
 - Axle grease
 - PTFE emulsions
- Do not use sheave wheel pins. If needed utilize large zip-ties.
- Follow Extreme StreamLINE spooling guidelines
- Apply minimal hydraulic pressure (200-300 psi for Hunting, 40-50 psi for Gulf Coast) to lower pack-off during equilization to ensure lower pack-off actuates via well bore pressure.

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- Do not allow high pressure to build in the lubrication chamber. High pressure within the chamber will begin to actuate both the upper and lower packoffs.
- Request that well head valves are greased prior to a frac instead of a wireline run.
- Run 90 durometer rubbers for winter conditions and 80 durometers for winter.
- Lower sheave wheel should be tied to the well head or for zipper operations, an auger style anchor should be placed in the ground with a larger/heavier sheave wheel stand to help prevent the sheave wheel from tipping in low tension situations.
- Crane placement during zipper operations should be optimized so that the upper sheave wheel is directly above the dual packoff allowing the cable to enter straight.
- Over time it is possible that small sections of the black outer polymer might come off exposing the red polymer below. If this occurs the edges should be cleaned up, sanded and lubricated. This process should take no longer than 5 minutes and once the process is complete the spot should be monitored for growth on subsequent runs.