



# TIM'S TECH TIPS



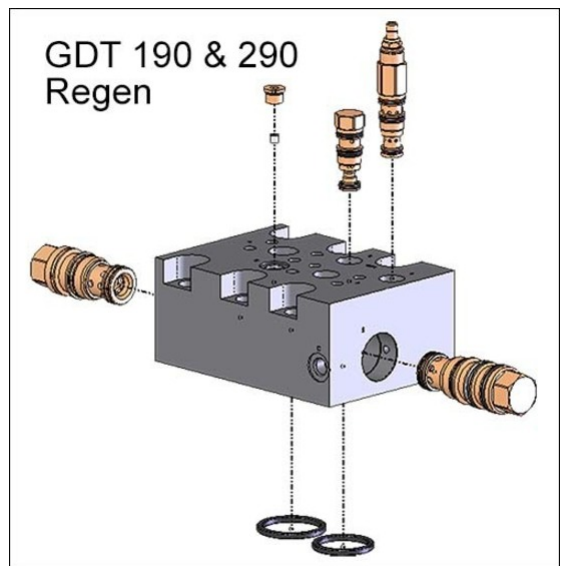
## Regeneration Valve Maintenance

Regeneration (regen) valves feature GenFlow adjustment cartridges to control the timing of the shift between speed and power modes. When the cartridges are properly set, the attachment closes rapidly until it begins to cut. The valve then shifts to slow jaw close and increase power. After the cut is complete, the valve shifts back into speed mode.



If the regen isn't working properly, the attachment isn't working properly. But as important as the regen is, its maintenance is often neglected, resulting in oil heating issues, performance and production loss, slow cycle times and downtime.

Regen valve cartridges have external seals that will be compromised by heat, pressure spikes and wear from being cycled countless times, but it is the internal cartridge seals that cannot be seen or serviced that will cause major failures. Thus, we highly recommend replacing all cartridges at the scheduled intervals for, and at the same time as, cylinder sealing/rebuilding to keep an attachment in peak operating condition.



Regularly replacing cartridges also saves maintenance time and money. To troubleshoot the system, pressure gauges need to be installed in the regen by a qualified technician who usually must work with Genesis to diagnose the problem, order parts and then make a return trip to install the new parts, all while the attachment is down. This is not a good scenario, especially when business is booming.

So remember, when it comes to regen valve maintenance, like all attachment maintenance, an ounce of prevention is worth a pound of cure.

If you need assistance with regen maintenance, contact Tim at 218-349-5755, [talseth@genesisattachments.com](mailto:talseth@genesisattachments.com)