



## **NEUGART difference - features not found in other gearheads**

### **Gear Heat Treatment**

#### **Competitors**

Some competitors harden the external gears (sun and planets)

***Not one of the competitor is offering hardened Ring Gear!***



Ring-gear remains soft, Some competitors use even stainless steel ring gear which cannot be hardened is a poor material for high load ability gears

Some even use soft stainless steel which cannot be hardened



**Gears wear out faster backlash is increasing considerably**

- after a couple of hundred hours in operation ---- especially gears using stainless steel gears !



#### **NEUGART**

All gears, **including the ring-gear** are case hardened using a “plasma nitro-carburizing” process to achieve a hardness of up to 64 HR C



#### **Result – Neugart advantage**

Higher load-ability, less wear, consistent backlash over the life of the gearbox

**Higher overall reliability, longer life**

