

Planet Carrier Spline Repairs

EQUIPMENT: CAT TRUCK

TO SUIT MACHINE: 785 & 789



Over the years Geographe has built an excellent reputation for redesigning parts and assemblies to increase their reliability and life span.

Instead of buying a new Planetary Carrier for your CAT 789, Geographe have developed a repair procedure where the existing carrier is re-worked (figure 1) by cutting the spline and manufacturing a new spline that simply gets changed out after wear.

Geographe have carried out this repair procedure for many clients around Australia and because the splined insert is manufactured in-house to suit the female housing spline, you can be assured of a perfect fit.

Repair process flow illustration

1 Worn internal spline removed and internal spline cut out

2 Spline insert manufactured

3 Insert is fitted to modified carrier and retaining keys are screwed into place

4 Sectioned view of assembled carrier repair

5 Completed repair with new spline and retainer keys

FEATURES

1. Carrier operates as per original one-piece unit
2. Only splined section is replaced as necessary

BENEFITS

1. Extends life
2. Short lead times to repair
3. Substantial cost saving in replacing splined section compared with entire carrier

PLANET CARRIER