

# REFURBISHMENT & REPAIR

Allen Gears Services has the capability to manufacture gearboxes up to 40 tons and gearwheels to 1m diameter. Requirements falling outside these parameters can be facilitated using our network of close partners.

With in-house bearing manufacture, case hardening and testing facilities, you can be assured that your equipment will be returned in prime condition and re-installed by our field service personnel in the shortest possible time.

## **20,000 square foot Service facility**

- Gearboxes to 40 tons
- Gearwheels to 1m diameter
- Accurate to
  - Grades 3 & 4 (DIN 3962 and ISO 1328)
  - Grades 12 & 13 (AGMA 2000 A88)
- Spur, helical, bevel
- In-house bearing manufacture
- In-house case hardening
- In-house testing

unrivalled benefits



recent experience case study

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## Amarillo Gear Company, Texas, USA

Amarillo Gear Company of Texas, USA is a manufacturer of right angle drives from 5 hp to over 10,000 hp. The company is a leader in the manufacture of:

- Parallel Shaft Gear Drives for Dry Cooling
- Cooling Tower Fan Drives
- Right Angle Gear Drives for Vertical Turbine Pumps
- Fan Drives for Finned - Tube Heat Exchangers
- Standard Spiral Bevel Gears for Drilling Rotary Tables
- Right Angle Drivers for Mixer/Agitation Applications

Allen Gears has signed an agreement with Amarillo Gear, Texas, USA to be its authorised service provider for the UK installed base of Amarillo gears.

Amarillo Gear has approximately 250 installations throughout the UK. These are Primarily Fire Pump drive gearboxes for the offshore industry, and cooling-tower fan drives for power stations.

These units are in a bevel gear arrangement and operate at much lower speeds than Allen Gears' original equipment products.

As the Amarillo authorised UK Service provider, Amarillo can ensure that they will get good Service coverage in the UK market, and it increases Allen Gears' penetration into the industrial gearbox sector.

Allen Gears has already completed 6 x overhauls/repairs on Amarillo units. These were electric motor driven right angle fire pump installations situated Offshore North Sea:

- 3 from Shell Dunlin Platform
- 3 from Shell Brent platform.

They had suffered from sea water ingress, and therefore required a clean-up and overhaul.

We carried out a full overhaul including :- strip, inspect, crack detect all tooth parts, replace all roller bearings, provide a full report with pictures and offer service recommendations for the future maintenance of the units.

This service is now offered to all end users with Amarillo units installed.

### Technical Data

<b>Requirement:</b>	Authorised refurbishment and repair of Amarillo gears installed in UK
<b>Plant:</b>	Various plants, UK
<b>Applications:</b>	Firepump drives, offshore. Cooling-tower fan drives, gas fired power stations onshore
<b>Gearbox Type:</b>	Amarillo bevel gearbox drives



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