

Deutz Fahr gp2.30 Thomas Collins K00274315



Aim of the Project

The Aim of the project is to repair a Deutz Fahr gp2.30 round baler. By changing the bearings and sprockets

Background

A round baler is an agricultural machine that compresses and shapes grass into a cylindrical shape known as a round bale so that the grass can be preserved as silage or hay for feed in the winter time for livestock. The round bale makes for easy transportation and storage over the winter months.



Deutz Fahr is a well known agriculture machinery manufacture and is recognized as a producer of reliable machinery the company originated in Cologne, Germany and has a history dating back into the early 20th century.



Changing of bearings



Figure 1: cutting bearing of the roller shaft

As you can see in the photo here is one of many bearings we changed that were on the roller, these bearings are inside of a housing on either side of the baler which allows the roller to spin and shape the grass into a round bale which is done on the inside which is called a bale chamber.

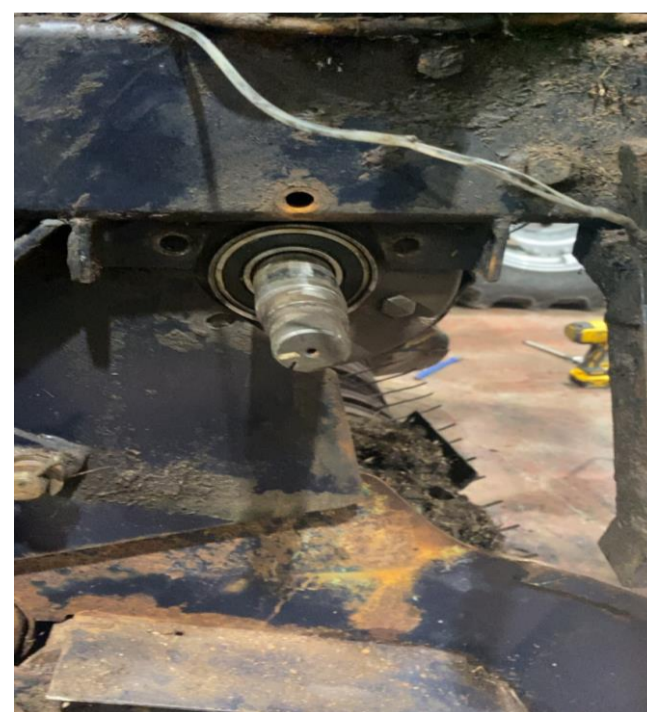


Photo of bearing put back together and in housing with roller in place

This is a photo of where the bearing and roller has been put back together and placed back into its original spot

Changing of hydraulic pipes

Heading

I took off the old hydraulic pipes as they had been sitting idle for over 20 years and thought that the rubber in them would have been perished, this was confirmed when I hooked the pipes up to the tractor and started working them that the oil started leaking out through the cracks in the pipes and through the seals at the fittings of the pipes. I got all news hydraulic pipes for this baler and you can see fitted here in the pictures.



Photo of hydraulic pipes

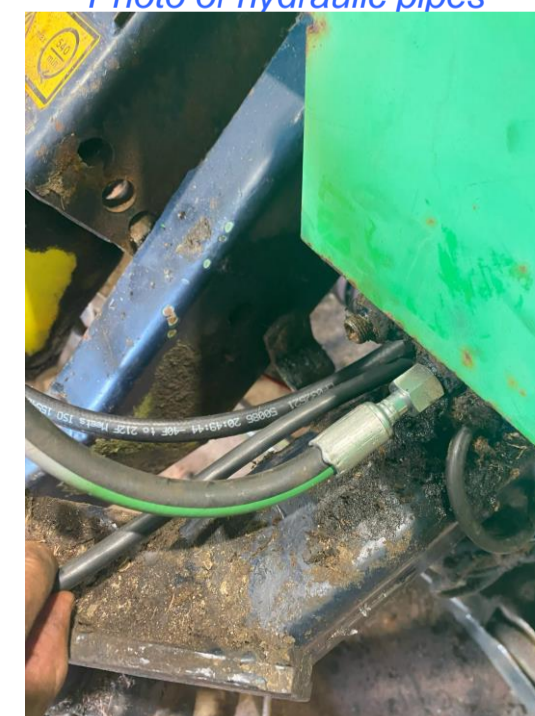


Photo of hydraulic pipes fitted to the baler

Conclusion



Figure 3: a Deutz fahr gp2.30 baler

These changes that I have done to the baler has been a great and great a fantastic learning curve on how to change bearings or even just work on a baler and which will help me in future if anything else breaks or goes wrong I will be able to fix it. it will also reduce our contracting cost by being bale to do our own baling instead of getting a contracting in to do it.

References

Pallaskenry agricultural college
Temple Touhy farm machinery Tuam depot
Park tyres and pipe making tuam
reliance bearing limerick