Same Laser 130 Tractor Repair Paddy Wright K00284936

Aim of the Project

The main aim of this project was to get the three-point linkage to lift up and down. I also wanted to inspect the tractor for other faults as it was new to me.

Background

- I recently purchased this Same tractor as it was previously owned by my father.
- It has a 6.2 litre six-cylinder air cooled engine, 24 speed transmission and consists of Bosch hydraulic components.
- The three point linkage on the tractor will • not move up or down and is losing a significant amount of oil when activated.
- The three point linkage on a tractor is the system used to connect implements and attachments to the rear of the tractor.

OIL PUMP

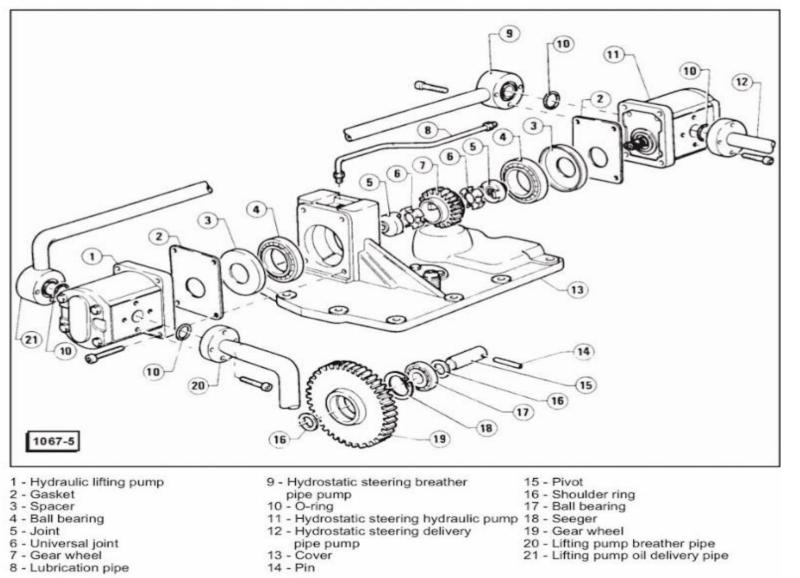




Photo of: Servers within Racks, aligned in Rows

Methodology

- Ensure the hydraulic oil was to the correct level.
- · Check the hydraulic circuit for leaks or potential pressure loss.
- Replace hydraulic filters. •
- Carry out a hydraulic flow test.
- Remove back wheels.
- Release the cab mounts to allow the cab to be elevated slightly.
- Remove existing hydraulic pump.
- Source a replacement and re install.
- Put the back wheels back on.
- Tightened the fan belt. ٠
- Replaced the broken sunroof strut.





Parts

- Hydraulic pump
- Power steering pump
- Hydraulic pipe
- Hydraulic seals and fittings
- Sunroof strut
- Engine/hydraulic oil
- Filters

Challenges

- Getting the tractor from Meath to Limerick.
- Sourcing parts.
- Elevating the cab.
- Removing hydraulic pump.



Conclusion

As the deadline rapidly approaches, I am pleased to say I have the vast amount of my project completed. I have replaced both the hydraulic and power steering pumps.