

JCB 930 Forklift Facelift



A nearside shot of the restored RTFL: once again another outstanding restoration job (Photo Jeremy Rowland)

Mention the name JCB and most people would immediately think of the famous yellow backhoe loaders for which this landmark British manufacturer is renowned. However, like many large manufacturers JCB have broadened their range of machines to increase their market share. Amongst the many different types of machine now manufactured by the company are rough

terrain forklift trucks which is abbreviated to RTFL, these forklifts are mainly aimed at the construction sector for site work and other materials handling operations.

The latest restoration project to pass through Julian Carder's workshop is a JCB 930 rough terrain forklift. It goes without saying that this JCB 930 looked like it was brand new, complete with all the nice touches that have become standard for these high-

quality restorations. The machine in question dates to the late 1980s and weighs over 6½ tonnes, it can safely lift a load of 6000lb to a 15ft working height. Although being in a very sound condition when it was brought to him the forklift had suffered from the inevitable cab corrosion that you would expect to find on a machine of this age. The corrosion of the cab doors presented a real issue as the lower parts of the doors



Left: The JCB 930 with the fork mast removed as the strip down of the machine commences in earnest



Middle: The inside of the operators' cab as received - although the cab retains all its component parts it looks rather time worn Right: An offside shot of the partially stripped RTFL showing the cab and engine covers removed (Photos Julian Carder)



◀ This frontal view shows the progression of the strip down; the main hydraulic spool valve lies on the cab floor while the cab electrical connections can be seen resting on the nearside fork tilt ram (Photo Julian Carder)



▶ Displaying the ravages of time with plenty of corrosion, the bolts that retain the drive axle were replaced with brand new items (Photo Julian Carder)



1: The engine and transmission unit mounted on a stand with a temporary fuel feed for testing; these did not require much attention short of cleaning down and painting 2: Hydraulic rams and main spool valve cleaned down ready for reconditioning and painting 3: The partially stripped mast; numerous roller bearings were replaced on the mast, the main lift rams were fully reconditioned, the lifting chain was not worn beyond its safe limit (Photo Julian Carder) 4: The bare chassis shot-blasted and given a first coat of primer. (Photo Julian Carder)



Reborn, the RTFL is now complete; note the reversing light mounted in the machine's counter weight (Photo Jeremy Rowland)



With Julian at the controls the JCB 930 makes its facelifted debut (Photo Jeremy Rowland)



Peering into the refurbished operators' cab the machine looks as good as the day it first rolled off the JCB production line



One of the many supporting roller bearings that were replaced on the forklift's mast. (Photo Jeremy Rowland)



The forklift gleams as it stands outside Julian's work unit waiting for transport to its owner (Photo Jeremy Rowland)

had completely rotted away this was overcome by cutting off the lower part of spare doors from a Loadall and 'knitting' them to the top half of the 930 doors.

Like all of the restorations carried out so far by Julian the 930 was subject to a complete strip down to the bare chassis to enable thorough cleaning, inspection and painting of all component parts. The exposed chrome rods that are on the flexible drive shaft couplings on the steering axle had become badly

corroded, so these were stripped and repaired. The forklift's lifting mast was removed then completely disassembled, there are around a dozen or so roller bearings that support the mast sections and these were replaced with new bearings. The hydraulic rams were all refurbished along with the control spool valve block. The engine was sound as was the transmission, both of which required no mechanical work.

The forklift received a new wiring



The JCB 930's serial numbers all marked on a new plate adds a nice touch to the restoration (Photo Jeremy Rowland)



The view from the operator's seat (Photo Jeremy Rowland)

loom which is essential when carrying out a full restoration. New lights were fitted and the operators' cab received the full works with the refurbished cab seat looking like new. All the plates, badges and stickers to match the restored cab, to finalise what I am sure you will agree with me is another superb restoration. As ever my thanks go to Julian Carder for his assistance and provision of some of the photos in this article. **CPM**