

Hosepatch in-field hydraulic hose clamp repair for combine harvester



HOSEPATCH

Hosepatch is suitable for use on damaged hydraulic hoses from pinhole leaks up to fully ruptured hydraulic hoses lines, such as this repair. This particular repair was on a main feed line for the header hydraulics.

THE CHALLENGE

The main feed line from the pump to the reciprocating knife cutter bar was ruptured. The hole was roughly 20mm in size on a 3/8" 2SN hose that was running at around 1700psi and with a peak pressure of 2100psi.

THE SOLUTION

The customer shut down the machine and located the damaged area. Using Hosepatch as a clamp, the 3/8" Hosepatch clamp was placed over the centre of the damaged area and tightened to 40nm as per the instructions. The machine was up and running within 10 minutes. Hosepatch was left on the machine until the whole harvest was complete.



WOW, so impressive!

"I was so impressed with how well it worked! Broke a hydraulic hose for the combine on a Friday night at the start of harvesting. Hosepatch worked so well we left it there until we finished the whole programme".

Sorghum Agribusiness - QLD

TECHNICAL DETAILS

HYDRAULIC HOSE:

3/8" 2SN 100R2

RUNNING PRESSURE:

1700psi

EXTENDED PRESSURE:

2100psi

CLAMP SIZE USED:

3/8" Hosepatch

TEMPERATURE:

60-80°C

DAMAGED AREA:

20mm



Hosepatch hydraulic hose repair clamps can be used in two different ways.



AS A PATCH

The clamp can be used as a patch for simple repairs. You place the clamps over the leakage in the hose, making sure the hole is placed centre of the clamp and then tighten the bolts. You're ready to go. Use as a patch has its limitations and best suits pressures under 2000 psi, small holes, where the hose is in relatively good condition.



AS A JOINER

Using the clamp as a joiner requires the use of the joining barb that comes in the kit, which means the hose has to be cut. The advantages of using as a joiner are that condition isn't important and can be used at pressures up to 6000 psi.



AFTER REPAIR

Hose Patch clamps are designed as a temporary repair and are completely reusable. It is best to replace the damaged hose as soon as possible and return the clamp to the kit for next use.

Hydraulic hose repair clamp kit is ideal for contractors, engineers, farmers and anyone using a variety of different size hoses. Use as a patch for a quick repair to get back to the workshop or move machinery to a more convenient location, or as a joiner to keep working until you can replace your hose.

Hosepatch PRODUCTS

Hydraulic Hose Repair Clamp Kit

Kit includes repair clamps, joining barbs and bolts for 1/4", 3/8", 1/2", 3/4" & 1" hose.

Individual Clamps and Joining Barbs

Available for: 1/4", 3/8", 1/2", 3/4" & 1" hoses



Scan the QR code to see Hosepatch demonstration



As a patch, the clamp can be used on 2sn, R12 and R15 hoses. As a joiner it can be used on all the above hoses, passing all testing standards.



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