



AGRICULTURAL  
MECHANICS

# Hydraulics Technician

A Hydraulics Technician installs, maintains and repairs hydraulic components on equipment.



Inspiring Minds to Grow


Funded by the Department of Commerce and Economic Opportunity


# career profile

Name: Edward Foster  
Job Title: Hydraulics  
Technician


Employer: John Deere

Education: AAS, Minnesota West Community and  
Technical College: Granite Falls

 I grew up helping my dad work on small engines and traveled with him on service calls to repair farm equipment. I was really intrigued with how the engines functioned. I liked working on engines, using my hands, and having a final product that was in better shape than before. So, I worked for and earned an associate's degree in fluid power technology.

 I work for a farm equipment dealership troubleshooting and maintaining fluid power systems on agricultural machinery, over-the-road vehicles, and material handling equipment. I install, maintain, and repair fluid power systems and components, such as pumps, motors, compressors, valves, cylinders, and accessories. I read blueprints and diagrams

while diagnosing problems. I also rely on computers and other technologies to investigate and repair hydraulic equipment. I perform preventative maintenance on hydraulic systems. I reassemble fluid power systems. In my line of work, I find that it is important to communicate clearly. For example, I have to ask the right questions concerning a problem. I also take time to explain how fluid power systems are intended to function.

 I like the challenges that come with my job. They require me to think critically and use the skills that I have learned to find correct solutions. It is very fulfilling to see machinery functioning properly due to my work.



# Hydraulics Technician

## overview



A **hydraulics technician** installs, maintains, and repairs hydraulic components on equipment.

## suggested high school courses



[agricultural mechanics](#), science, and mathematics

## experience needed



Gain experience on the job. Plan and implement a related Supervised Agricultural Experience (SAE) Program.

## degree(s) required



A high school diploma is required. An associate's degree in fluid power systems, mechanics, or precision systems service is preferred.

## potential employers



farm equipment dealers, farm equipment manufacturers, government agencies

## salary range



\$40,000 to \$70,000

## employment outlook and trends



The employment outlook for hydraulics technicians is **good**.

## professional organizations



International Fluid Power Society [www.ifps.org/](http://www.ifps.org/)  
Farm Equipment Manufacturers Association [www.farmequip.org/](http://www.farmequip.org/)  
Midwest Equipment Dealers Association [www.medaassn.com/](http://www.medaassn.com/)



## Want to Learn More?

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