

Diesel Hydraulics Technology Equipment/Tool List

Robert Rice, Instructor

Approximate Cost -2500-5800



The following tools are required for lab assignments throughout the two year program.

You may wish to purchase your tools once you are here through vendors visiting the campus the first week of school. You may, however, buy your tools from wherever you choose. Tools will be needed no later than the third week of classes.

1. Allen Wrench Set Standard - .050 to 5/8"
2. Allen Wrench Set Metric – 2mm to 19mm
3. Chisel Set 5/16 Cape 3/8 5/8 3/4 Cold
4. Wrench Set Comb. Box/Open 5/16 to 1 1/4
6. Wrench Set Comb. Box/Open 6mm to 24mm
6. Auto ranging multimeter
8. Electrical Pliers (Crimper/Stripper)
9. Files - 10", 12" Fine
6", Coarse
6", 12" Half Round
10. Flare Nut Wrench Set - Standard 3/8 to 3/4
Metric 7mm-19mm
11. Goggles for Oxyacetylene Welding/Soldering
12. Safety Glasses with Side Panels OSHA App.
13. Hammers-16, 24, 48oz ball peen
14. Brass hammer 32 oz
15. Inspection Mirror
16. Magnetic Pick-up Tool
17. 12' Steel Measuring Tape, Mechanic's Steel
18. Ruler (Machinist Rule) 6 or 12 inch
19. Pliers - 6" Slip Joint
Needle Nose
Diagonal Cutters Side cutters
8" Vice Grip
Set of Snap Ring Pliers Internal & External
20. Punches – Pin 3/16-1/2
Starter 3/16-1/2
Aligning 1/4-5/8
10" Brass
Center punch
21. Gasket Scraper 1" Wide or Larger
Putty Knife 1" Wide or Larger
22. Screwdrivers - Blade Type 1", 6", 9", 12"
Phillips Tip. 1" #1 and #2
6" #1 and #2
12" #3
Torx Set – T15, T20, T25, T30
T35, T40, T45, T50
Socket Set - 1/4" Drive
23. 3/16 to 9/16 Standard (Shallow)
3/16 to 9/16 Standard (Deep)
4mm to 14mm Metric (Shallow)
4mm to 14mm Metric (Deep)
Extensions – 2", 4", 6", 8" Long
Ratchet Handle
Universal Joint
1/4 to 3/8 Adapter
24. 3/8 Drive Socket Set
1/4 to 15/16 Standard Shallow 12 Point
1/4 to 15/16 Deep 6 Point
8mm to 19mm Metric Shallow 12 Point
8mm to 19mm Metric Deep 6 Point
Breaker Bar
Ratchet Handle

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| <p>25. 1/2 Drive Socket Set</p> <p>3/8 to 1 1/4 Standard Shallow 12 Point
3/8 to 1 1/4 Deep 6 Point</p> <p>10mm to 28mm Shallow Metric 12 pt.
10mm to 28mm Deep Metric 6pt.
Breaker Bar
Ratchet Handle
Universal Joint
Extensions 4",6",8",12</p> <p>3/8 and 1/2 Socket Sets may be
Chrome or Impact, I recommend a 3/8 Air
Wrench to use as a Nut Runner.</p> <p>26. 3/8in drive torque wrench 20-100 ft. lb.
27. 1/2in drive torque wrench 50-250 ft. lb.</p> | <p>28. Tire Depth Gauge, Depth Air Pressure Gauge
Truck type</p> <p>29. Rubber tipped air blow gun</p> <p>30. Roll head Pry Bar Set Small, Medium, Large</p> <p>31. Feeler Gauge Set 005 to 60"</p> <p>32. Feeler Gauge Set 005mm to 070mm</p> <p>33. Wire Brush</p> <p>34. Mechanic's Knife</p> <p>36. Oil Filter Wrench-Small & Large or Strip Type</p> <p>37. 6" & 10" Adjustable Wrenches</p> <p>38. Tool Storage Box with Lock</p> <p>44. 3/8 drive air or battery ratchet</p> |
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THE FOLLOWING ARE RECOMMENDED BUT NOT REQUIRED

1. Antifreeze Tester (Refractometer)
2. Tubing Cutter Framing Set
3. 7-Way Trailer Cord Tester or Test Light
4. Piston Ring Expander
5. Shop Coat or Overalls
6. 1/2 Drive, 1 5/16 and 1 1/2 Shallow Sockets
7. Hearing Protection
8. screwdriver type nut driver set standard
9. screwdriver type nut driver set metric

**NMCC NOR ITS INSTRUCTORS ARE RESPONSIBLE FOR
LOST TOOLS AND EQUIPMENT**