

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY
910 MILLER AVENUE
CROSSVILLE, TN 38555

**DIESEL POWERED EQUIPMENT TECHNOLOGY
REQUIRED TOOL LIST
PHILLIPS DISTRIBUTING**

<u>TITLE</u>	<u>EFF. 02/08/23</u>	<u>APPROXIMATE COST</u>
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- Socket Set 3/8 Drive- 3/8 – 3/4 U.S. Standard Depth (12 point)
 - 3/8 – 3/4 U.S. Deep (6 point)
 - 10mm – 19mm Metric Standard Depth (6 point)
 - 10mm – 19mm Metric Deep (6 point)
 - Extensions – Short Medium, and Long
 - Ratchet Handle
 - Universal Joint
- Socket Set 1/4 Drive – 3/16” – 1/2” U.S. Standard Depth
 - 3/16” – 1/2” U.S. Deep
 - 4mm – 13mm Metric Standard Depth
 - 4mm – 13mm Metric Deep
 - Extensions – Short, Medium, and Long
 - Ratchet Handle
 - Universal Joint
- Socket Set 1/2 Drive 1/2 – 1 1/8 Shallow, Impact or Chrome
 - 7/16 – 1 1/8 Deep, Impact or Chrome
 - 13mm – 32mm Shallow, Impact or Chrome
 - 13mm – 32mm Deep, Impact or Chrome
 - Breaker Bar
 - Extensions – Short, Medium and Long
 - Ratchet Handle
 - Universal Joint
- Combination Wrenches – Standard (3/8” – 1”)
 - Metric (6mm – 19mm)
- 1 - Allen Wrench Set – Standard (.050” – 3/8”)
- 1 - Allen Wrench Set – Metric (2mm – 12mm)
- 2 – Flare Nut Wrench Sets – Standard (3/8” – 3/4”)
 - Metric (7mm – 19mm)
- 1 - Wrench Adjustable 3/4 capacity length 6"
- 1 - Wrench Adjustable 1 1/8 capacity length 10"
- 1 - Cold Chisel 1/2" edge
- 1 - Cold Chisel 5/8" edge
- 1 - Cold Chisel 3/4" edge
- 5 - Screwdrivers Torx T10, T15, T20, T25, T30
- 5 - Screwdrivers Blade Type: 1”, 6”, 9”, 12”, Offset
- 4 - Screwdrivers Phillips – 1” - #2
 - 6” - #1, #2
 - 12” - #3
- Pliers – Adjustable Joint, Locking Pliers, Needle Nose, Side Cutters, Slip-joint
- 1 – Electrical Pliers – Crimper/Stripper
- Punches – Pin 3/16” – 3/8”
 - Starter 3/16” – 3/8”
 - Aligning Punch Set
 - Brass Punch
 - Center Punch
- 1 - Bar Rolling Wedge 90° 9/16 diameter 16” long – Lady’s Foot Pry bar

- 1 - Goggles (per OSHA requirements)
- 1 – Safety Glasses (Side Panels) – (per OSHA requirements)
- 3 - Hammer ball peen 12 oz, 16oz, 24oz Soft Face
- 1 – Inspection Mirror (mechanics adjustable)
- 1 - Magnetic pick up with slide extension
- 1 - 3/8 Torque Wrench – 0 – 150 ft. lbs.
- 1 – 3/8 Torque Wrench – 0 – 200 in. lbs.
- 1 – 1/2 Torque Wrench – 25 – 250 ft. lbs.
- 1 – 1/2 Air Impact Wrench with set of 1/2 in. impact sockets
- 1 – 3/8 Air Ratchet with set of 3/8 in. impact sockets
- 1 - 90° Angle Die Grinder – Air
- 1 – Digital Multimeter – minimum 10 meg. Ohms impedance
- 1 – Roll-a-Way Tool Box (6 drawer minimum)
- 1 – Mechanics Creeper
- 1 – Flashlight
- 3 - Files and Handles – 12” Fine, 12” Coarse, 12” Half Round
- 1 – Hearing Protection (per OSHA requirements)
- 1 – Scraper – 1” wide or larger
- 1 – Tape Measure (12’)
- 1 – Tire Tread Depth Gauge
- 1 – Tire Pressure Gauge – Truck
- 1 – Wire Brush
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- **Total Estimated Cost: 5791.11**

A laptop computer and an 8 GB Flash Drive is highly recommended but not required. Tools must be of industrial quality. The following brands have tools that meet industrial standards: Craftsman, NAPA, Snap On, Mac Tools, Matco Tools, Cornwell Tools, SK Tools, Proto Tools, Black Hawk.

STUDENT WILL NEED COMPLETE TOOL SET BEFORE ENTERING EMPLOYMENT IN THE DIESEL POWERED EQUIPMENT FIELD

Tools must be of Industrial quality. The following brands have tools that meet industrial standards: Craftsman, NAPA, Snap On, Mac Tools, Matco Tools, Cornwell Tools, SK Tools, Proto Tools, and Black Hawk. (NO flea market or low quality tools permitted) Tool box checks will be performed and a check off sheet will be kept on file. Student is required to have complete tool set before entering employment in the diesel powered equipment field.

NOTE: This list is provided by Phillips Distributing to give the student an estimate of tool costs. Prices are subject to change due to price increases.

Effective: February 2023

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