

Incoming Diesel Heavy Equipment Students – 2021-2022

1. The following safety equipment is required when you begin the program:

Safety glasses (Must be worn in shop at all times)

Steel toe safety shoes (Must be worn in shop at all times)

2. The following safety equipment is required for WELD214W Arc Welding & Cutting Processes:

Welding helmet

Welding Gloves

Mig welding pliers

Fire retardant long sleeve shirt

Welding jacket

Skull cap

Fire retardant pants

3. The following list of hand tools Are Not Required, but recommended to purchase as a student before entering the workforce:

Digital Multi-Meter; PDI DM-930 kit w/leads and CA-400D amp clamp

Combination wrench set; 12 point, metric 8 - 22mm

3/8 Drive metric shallow 12 point sockets; 8-19mm, tray or rail to organize sockets

3/8 Drive metric deep 6 point sockets; 8-19mm, tray or rail to organize sockets

1/2 drive metric shallow 12 point sockets; 10 - 24mm, tray or rail to organize sockets

1/2 drive metric deep 6 point sockets; 12 - 24mm, tray or rail to organize sockets

Allen / Hex bit; metric 4 - 19mm, 1/4 and/or 3/8 drive, tray or rail to organize sockets

Allen / Hex wrench set; L-shape, metric 1.5 - 10 mm

Allen / Hex folding wrench combination set; Hex 2 - 8mm

Combination wrench set; 12 point, fractional 3/8" - 1 1/4"

3/8 Drive fractional shallow 12 point sockets; 1/4" - 7/8", tray or rail to organize sockets

3/8 Drive fractional deep 6 point sockets; 1/4" - 7/8", tray or rail to organize sockets

1/2 drive fractional shallow 12 point sockets; 3/8" - 1 1/8", tray or rail to organize sockets

1/2 drive fractional deep 6 point sockets; 1/2" - 1 1/8", tray or rail to organize sockets

Allen / Hex bit; fractional 1/16" - 3/8", 1/4 and/or 3/8 drive, tray or rail to organize sockets

Allen / Hex wrench set; L-shape, fractional .050" - 3/8"

Allen / Hex folding wrench combination set; Hex .050 - 3/16"

3/4 drive fractional shallow 12 point sockets; 1 1/16"- 1 7/8", tray or rail to organize sockets

Torx Bit Set; T8 - T55, 1/4 and/or 3/8 drive, tray or rail to organize sockets

Adjustable wrench; 10"

Drive adapter; 3/8" female to 1/4" male

Drive adapter; 3/8" female to 1/2" male

Drive adapter; 1/2" female to 3/8" male

Drive adapter; 1/2" female to 3/4" male

Extension, 3/8 drive; (ranging from 1 1/2" - 11" long)

3/8 drive ratchet; standard handle

3/8 drive breaker bar; 10" long

Extension, 1/2 drive; (ranging from 2" - 11" long)

1/2 drive ratchet; standard handle

1/2 drive breaker bar; 18" long

Extension, 3/4 drive; (ranging from 3" - 8" long)

3/4 drive ratchet; standard handle

3/4 drive breaker bar; 20" long

Flat tip screwdriver; .032" tip, approx overall length 7"

Flat tip screwdriver; .050" tip, approx overall length 11"

Flat tip screwdriver; .055" tip, approx overall length 14"

Standard PHILLIPS® screwdriver; #1

Standard PHILLIPS® screwdriver; #2

Diagonal cutter; 7"

Needle nose pliers; 8"

Combination slip joint pliers; 7"

CHANNELLOCK® adjustable joint pliers; 10"

Scribe / seal pick

Steel Rule; 6" stainless steel

Flashlight; Explosion Proof (2 "D" cells)

Center punch; 3/16" point, 6" long
Pin punch; 5/16" point, 5 1/4" long
Pin punch; 5/32" point, 5" long
Flat chisel; 3/8" edge, 5 1/2" long
Flat chisel; 3/4" edge, 7 1/4" long
Pinch bar; 20", tapered point on one end & angled chisel type edge on the other
Rolling head prybar; 16" tapered point on one end & rolling head on the other
VISE-GRIP®; locking, curved jaw w/wire cutter, 2 7/16" capacity
Ball peen hammer; 12 oz.
Soft face hammer; 24 oz.
Engineer hammer; 40 oz.
Putty Knife / Scraper; 1 1/4" blade width, stiff chisel type blade
Feeler gauge set; U.S./Metric, .0015" - .035"
Hacksaw; 12" (300mm) blade

Portable & lockable tool storage device that can contain all tools listed above

With any questions please contact:
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