

EMPLOYEE TRAINING RECORD

TRAINING TITLE Battery Charging and Jump Starting

KEY TEACHING POINTS

- **Battery charging and jump starting are much more dangerous than most people realize. During the process of charging or jump starting a wet cell battery, highly explosive hydrogen and oxygen are generated by the battery. As this is occurring, the slightest spark from a cigarette, lighter, torch, tool, or the charger or jumper cables can set off a violent explosion, hurling battery acid and fragments with extreme force.**
- **In addition to the threat of explosion, charging or jumping batteries can lead to expensive equipment damage if improperly performed. For this reason it's necessary to refer to the motor vehicle or equipment operator manual for specific instructions. When using a battery charger always follow the manufacturer's instructions carefully. Conditions surrounding charging activities are often damp -- be on guard for ungrounded equipment and cords.**
- **Before jump starting from vehicle to vehicle, make sure the vehicles do not touch, are in park or neutral, with parking brakes set and ignition switch and all accessories off. Start every jumping or charging job by putting on eye protection, then make sure that both batteries are the same voltage and check the fluid in the dead battery. If it's low, add water, if frozen, do not attempt to jump start.**
- **When jump starting negative ground systems, first attach the red clamp of the booster cable to the positive (+) terminal of the dead battery, then the other red clamp of the same cable to the positive (+) terminal of the good battery. Then connect the clamp of the black cable to the negative (-) terminal of the good battery and make the last connection of the black clamp to a good metal ground on the engine block of the disabled vehicle, AWAY FROM THE BATTERY, fuel system or fuel lines.**

TEST

QUESTION	ANSWERS	
	TRUE	FALSE
1 Start every jumping or charging job by putting on eye protection		
2 If it's low, add water, if frozen, do not attempt to jump start.		
3 Battery charging and jump starting are much more dangerous than most people realize.		
4 Charging or jumping batteries can lead to expensive equipment damage if improperly performed.		
5 Highly explosive hydrogen and oxygen are generated by the battery.		
EMPLOYEE'S NAME	EMPLOYEE'S SIGNATURE	DATE
INSTRUCTOR'S NAME	INSTRUCTOR'S SIGNATURE	DATE

1. True 2. True 3. True 4. True 5. True