



OVERHEAD & GANTRY CRANES

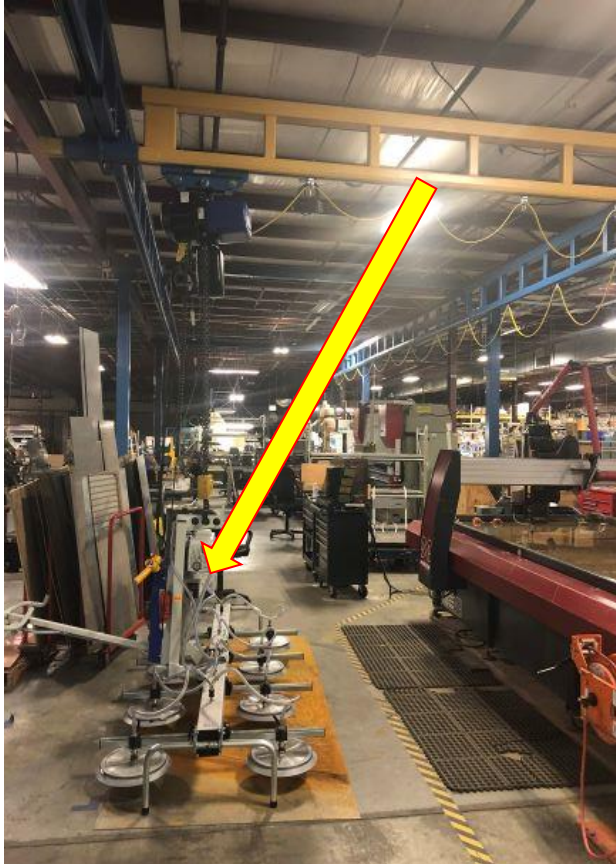
Crane Defined OSHA 1910.179

- ❑ A crane is a machine for lifting and lowering a load and moving it horizontally, with the hoisting mechanism.
- ❑ Cranes whether fixed or mobile are driven manually or by power.
- ❑ Gantry crane means a crane like an overhead crane except that the bridge for carrying the trolley or trolleys is rigidly supported on two or more legs running on fixed rails or another runway.
- ❑ Overhead crane means a crane with a movable bridge carrying a movable or fixed hoisting mechanism and traveling on an overhead fixed runway structure.
- ❑ A remote-operated crane is a crane controlled by an operator not in a pulpit or in the cab attached to the crane, by any method other than pendant or rope control.



Crane Types Used at Archdale

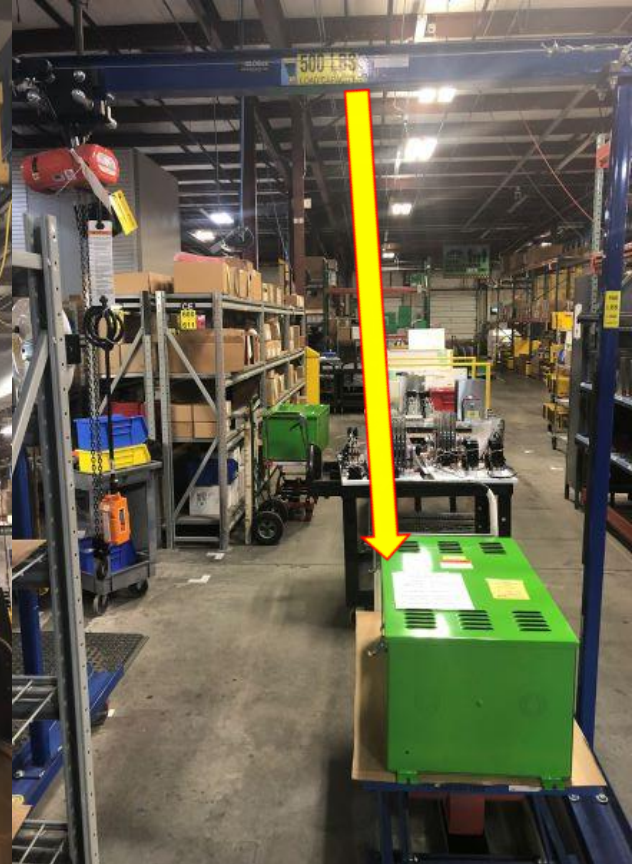
Overhead crane & vacuum lift device used to lift and transport sheet metal



Overhead crane & water jet to lift and transport wet parts and sheet metal



Gantry crane used to lift product



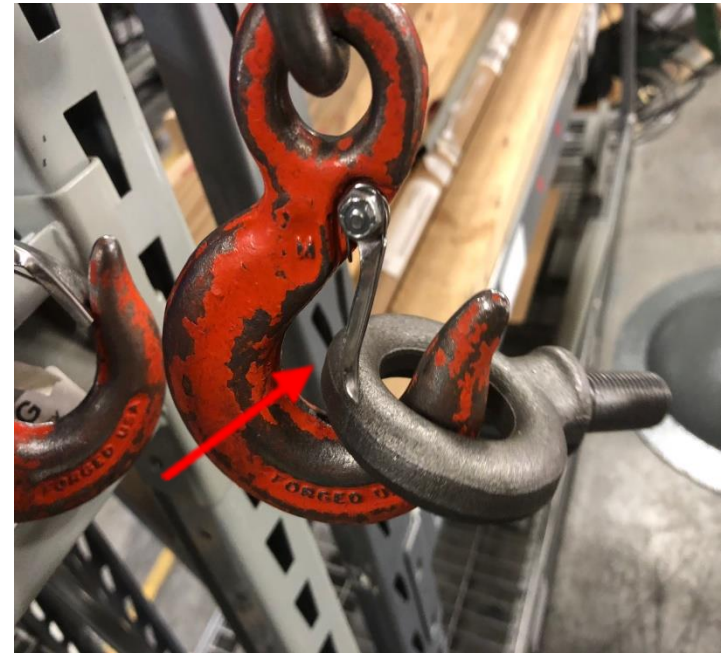
Inspection & Investigation

- ❑ Cranes must be inspected daily before use.
- ❑ Inspections can be divided into two classifications:
 - ❑ Preoperational walk-around inspection (restart-up check)
 - ❑ Periodic inspection
- ❑ Proper inspections provide the opportunity to find and correct problems before the equipment is operated. As a result, failure during operation may be effectively avoided.
- ❑ When problems are discovered during inspection, the equipment damage, defects, or other problems must be corrected before the cranes or derricks can be used again. Repairs or modifications should be made by a manufacturer's authorized representative.
- ❑ Besides repairing the equipment, a crane safety program should include preventive maintenance.
- ❑ Investigations of crane accidents attribute the causes of accidents to structural problems, operator error, rigging problems, and lack of preventive maintenance. These causes can be addressed by proper training, inspection, and maintenance.



Physical Hazards

- ❑ Maintain a safe distance from the load when operating an overhead crane
- ❑ Inspect hook condition looking for bent safety latch, damaged or worn parts



Inspection Checklist

Crane & Ladder Inspection Checklist		<p><i>Cranes and Ladders must be inspected daily before use. Initial in corresponding box stating that the item has been checked and passes inspection. Place "N/A" in all boxes that do not apply to the crane or ladder that is being inspected. Immediately report any inspections that are deemed inadequate to your supervisor/maintenance department and cease from using the crane or ladder.</i></p> <p>Reference ICD-SP-1 (Working at Heights - Fall Protection) for ladder inspections.</p>													
		CRANES										LADDERS			
Dept: _____		CHECK FOR WEAR	CHECK LUBRICATION	CHECK CHAIN	CHECK HAND CONTROLS	CHECK ELECTRICAL LEAD	CHECK TROLLEY ROLLERS	CHECK BRIDGE ROLLERS	CHECK SLINGS AND CHAINS	CHECK UPPER LIMIT SWITCH	CHECK FOR SLIP HAZARDS	CHECK CLEARANCE TOP/BOTTOM OF LADDER	LADDERS NOT FASTENED TOGETHER	ELECTRICAL USE FIBERGLASS WOODEN LADDERS ONLY	CHECK FOR LADDER WEIGHT CAPACITY
	MONDAY														
Date:															
	TUESDAY														
Date:															
	WEDNESDAY														
Date:															
	THURSDAY														
Date:															
	FRIDAY														
Date:															
	SATURDAY														
Date:															

