

Appendix A: List of Cargo Handling Equipment

The 2025 Cargo Handling Equipment Technology Assessment includes the 25 most common types of CHE used at seaports and intermodal railyards in California. In addition to the CHE types included in the assessment, there are other types of equipment used at facilities that may or may not be subject to the CHE Regulation. Table A-1 provides a list of CHE, including the CHE type, their equipment category, and other names and subcategories used to refer to them. Most of this equipment is diesel-powered.

Table A-1: List of CHE

CHE Type	CHE Category	Other Names and Subcategories
Aerial Lift	Facility Support	Basket Crane, Boom, Boom Lift, Cherry Picker, Elevated Lift Platform, Hydroladder, Man Lift, Scissor Lift, Straight Boom Lift
AGV	Container	
Compact and Subcompact Tractors	Bulk Material	Compact Utility Tractor, Compact Loader Tractor, Compact Telehandler, Compact Track Loader, Compact Wheel Loader, Compact Work Tractor, Garden Tractor (heavy-duty models), Mini Excavator, Mini Skid-Steer Loader, Small Tractor, Subcompact Utility Tractor, Utility Tractor
Compactor (Portable)	Facility Support	Plate Compactor, Rammer, Tampers
Cone Vehicle	Facility Support	Cone Cart, Cone Truck, Grunt, IBC Cart
Crane, Cable	Bulk Material	Skyline Crane
Crane, Material Handling	Bulk Material	Material Handler
Crane, Mobile	Bulk Material	All-Terrain Cranes, Carry Deck Cranes, Pick and Carry Crane, Rough-Terrain Cranes, Sidelifter, Truck-Mounted Crane
Crane, Mobile Harbor	Bulk Material	Harbor Crane
Crane, Off-Road	Bulk Material	Crawler, Crawler Crane, Rough Terrain Crane, RT Crane

CHE Type	CHE Category	Other Names and Subcategories
Crane, Ship-to-Shore	Container	Container Crane, Container-Handling Gantry Crane, Harbor Crane, Portainer, Quay Crane, Ship Loader, Ship-to-Shore Gantry Crane, STS (ship-to-shore) Crane, Wharf Crane
Dozer	Bulk Material	Bulldozer, Crawler, Wheel Dozer
Dozer Trap	Bulk Material	Dozer Trap Feed System, Conveyer Feeder
Excavator	Bulk Material	Backhoe, Crawler Excavator, Diggers, Hydraulic Excavator, Tractor-Loader Backhoe
Forklift	Bulk Material	Fork Hoist, Fork Truck, Hi-Lo, Industrial Truck, Jitney, Lift Truck
Forklift, Heavy Lift	Bulk Material	Fork Hoist, Fork Truck, Heavy-Duty Forklift, Heavy Lift, Hi-Lo, High-Capacity Forklift, Industrial Truck, Jitney, Lift Truck
Forklift, Telehandler	Bulk Material	Boom Lift, Telescopic Boom Lift, Telescopic Forklift, Telescopic Handler
Loader	Bulk Material	Bucket Loader, End Loader, Front Loader, Front-End Loader, High Lift, Payloader, Scoop, Shovel Dozer, Skid-Loader, Skid-Steerer, Skid-Steer Loader, Skip Loader, Track Loader, Tractor Loader, Wheel Loader, Wheeled Loader
Loader-Excavator	Bulk Material	Backhoe, Digger, Rear Actor, Back Actor
Log Stacker	Bulk Material	Log Handler, Log Loader
Mobile Conveyor	Bulk Material	Conveyor
Portal Slewing Crane	Bulk Material	Level Luffing Crane, Portal Jib Crane, Quay Crane, Wharf Crane
Power Shovel	Bulk Material	Front Shovel, Mining Shovel, Motor Shovel, Rope Shovel, Stripping Shovel
Railcar Mover	Facility Support	Power Pusher, Railcar Mover, Railcar Pusher, Railpusher
Rail-Mounted Gantry Crane	Container	Stacking Crane, Lift Stacker, Rail Mounted Stacking Crane, RMG, Rail Stacking Crane, Stacker, Stacking Crane, Track-Mounted Gantry Crane
Reach Stacker	Container	Telescopic Handler
Rubber-Tired Gantry Crane	Container	Lift Stacker, RTG, Rubber-Tire (RT) Loader, Stacker, Stacking Crane, Transtainer

CHE Type	CHE Category	Other Names and Subcategories
Side Handler	Container	Empty Container Handler, Side Lift, Side Loader, Side Pick
Straddle and Shuttle Carriers	Container	Saddle Trucks
Travel Lift	Bulk Material	Boat Crane, Boat Lift, Boat Gantry Crane, Marine Travel Lift, Mobile Boat Hoist, Shuttle Carrier
Top Handler	Container	Laden Handler, Loaded Container Handler, Top Lift, Top Loader, Top Pick
Truck, Dump (On-road)	Bulk Material	Dumping Truck, Dump Trailer, Dumper, Dumper Trailer, Dump Lorry
Truck, Haul (Off-road)	Bulk Material	Dump Lorry, Dump Trailer, Dumper Trailer
Utility Truck, Fuel	Facility Support	Fuel Truck, Utility Truck
Utility Truck, Sweeper	Facility Support	Sweeper, Utility Truck
Utility Truck, Water	Facility Support	Utility Truck, Water Truck
Yard Truck	Container	Dog, Goat, Hostler, Hustler, Prime Mover, Shunt Truck, Shunter, Spotter, Spotting Tractor, Terminal Tractor, Terminal Truck, Utility Tractor Rig (UTR), Yard Bird, Yard Dog, Yard Goat, Yard Horse, Yard Jockey, Yard Mule, Yard Shifter