



CONSTRUCTION and OFF ROAD EQUIPMENT

QUICK REFERENCE GUIDE



Vehicle Valuation Services, Inc.

1 South 450 Summit Avenue

Suite 380

Oakbrook Terrace, IL 60181

888.475.9975

Fax: 888.475.9935

www.v-v-s.com



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COMPACTORS



Asphalt Vibratory
Compactor-1 Drum

Asphalt Vibratory Compactors are designed for compaction and finishing of road surfaces.



Asphalt Vibratory
Compactor-2 Drum

COMPACTORS – cont.



Pneumatic Asphalt
Compactor

Pneumatic Asphalt Compactors are designed for compaction and finishing of road surfaces.



Pneumatic Asphalt
Compactor

COMPACTORS – cont.



Soil Compactor



Landfill Compactor

Soil and Landfill Compactors feature wheels with a tamping foot design for traction, penetration and compaction.

Hydraulic Truck Crane

Swing Away Jib

Boom



Dual Axle Drive

Hydraulic Outriggers

CRANES



Hydraulic All Terrain Crane



Hydraulic Truck Crane



Rough Terrain Crane

Hydraulic Cranes have a two to four section extendable boom that extends up to 200' and a lifting capacity of up to 250 tons.

Typically they are also equipped with a swingaway lattice jib extension which provides an additional 30' to 40' of length.

Highway and All Terrain models feature separate driving (carrier) and operating cabs, each with individual power plants.

Outriggers are standard, and may be manual, power up and down or hydraulically extendable.

Options include additional counterweights, raised operator station, dual or triple drums, power lowering and remote carrier outrigger controls.

CRANES – cont.



Lattice Truck Crane



Lattice Crawler Crane

Lattice Boom Cranes have sectional boom sections that can be added or removed for particular applications.

Boom heights range to 200' and lifting capacities range up to 300 tons.

They may also be equipped with a jib extension which provides an additional 30' to 40' of length.

Crawler models are often equipped with hydraulically extendable tracks and oversize pads.

Outriggers are standard on wheeled models and may be manual, power up and down or hydraulically extendable.

Options include additional counterweights, raised operator stations, dual or triple drums, power lowering and remote carrier outrigger controls.

CRANES – cont.



Material Handler –
Wheeled Knuckleboom



Material Handler –
Crawler/Track Type

Material Handlers come in both wheeled or crawler styles.

They are adapted from excavator designs and are used in forestry and industrial applications.

The boom may be either two or three (nucleon) piece construction.

Common attachments include grapples, clamshell buckets and magnets.

Crawler models are often equipped with hydraulically extendable tracks and oversize pads.

Outriggers are standard on wheeled models and may be manual, power up and down or hydraulically extendable.

Industrial Crane

Options include additional counterweights and raised operator stations.

CRANES – cont.



Excavating Crane

Excavating Cranes are primarily used in dredging operations.

They typically have 150' to 200' of boom.



Industrial Crane

Industrial Cranes have a capacity of up to 15 tons and an 30' two or three section boom.



INFORMATION TO NOTE FOR CRANE VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

Crawler Loader

Open ROPS

Rock Bucket



Pad Width

Tracks

CRAWLER LOADERS



Crawler (Track) Loader
with 3 in 1 Bucket



Crawler (Track) Loader
with Rock Bucket

Crawler (Track) Loaders are designed for multiple applications including clearing, backfilling, excavating and loading.

They can be equipped with either open or enclosed ROPS (Roll Over Protection System) cabs as well as numerous styles of buckets and accessories.

Common options include oversize pads, additional counterweights, hydraulic third valves, cab equipment including AC, heat and defrosters and work lights.

CRAWLER LOADERS – Buckets and Accessories



4 in 1 Bucket

4 in 1 (multi-purpose) Buckets can be used as a standard, dozer, clamp or controlled discharge bucket.



General Purpose Bucket

General Purpose (GP) Buckets are used for all standard applications.



Rock Bucket

Rock Buckets may have either a spade or straight edge depending on the application.

CRAWLER LOADERS – Buckets and Accessories



Side Dump Bucket

Side Dump Buckets can either dump forward or to the side.



Quick Coupler
Attachment

Quick Couplers allow fast single person changes of buckets and attachments.

CRAWLER LOADERS – Buckets and Accessories



Loader Rake

Loader Rakes are used for land clearing in sandy or loose soil.



Extended Arm

Extended Arms allow a loader to be used as a utility crane.



INFORMATION TO NOTE FOR CRAWLER VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

CRAWLER TRACTORS



Crawler Tractors are designed for finish grading and general dozing.

They can be equipped with either open or enclosed ROPS (Roll Over Protection System) cabs as well as numerous styles of blades, rippers and winches.

Common options include oversize pads, hydraulic third valves, cab equipment including AC, heat and defrosters and work lights.



DUMP TRUCKS



Articulated Single Axle
Dump



Tandem Axle Dump
with Single Wheels



Bottom (Belly) Dump

Off Road Dumps are designed for quarry, mining and heavy industrial applications.

Features include automatic or hydrostatic transmissions, articulated steering (the body itself turns rather than the front axle) and engine (Jake) brakes.

They also offer full time four wheel drive, and have locking front and rear differentials.

Depending on the manufacturer and model, Off Road Dumps may be equipped with single or tandem rear axles, and may have single or dual rear tires.

They may be equipped with high capacity bodies for low density materials, flatbeds or water tanks.

Capacities range from 20 to 50 tons.



INFORMATION TO NOTE FOR DUMP TRUCK VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

Excavator

Hydraulic Arms

Cab



Bucket

Counterweight

EXCAVATORS



Mini Excavator



Excavator

Excavators are designed for multiple applications including clearing, backfilling, excavating and loading.

They can be equipped with numerous styles of buckets and accessories.

Crawler models are often equipped with hydraulically extendable tracks and oversize pads.

Outriggers are standard on wheeled models and may be manual, power up and down or hydraulically extendable.

Common options include raised operator stations, oversize pads, additional counterweights, hydraulic third valves, cab equipment including AC, heat and defrosters and work lights.

EXCAVATORS – cont.



Wheel Excavator



Excavator Cab

EXCAVATORS - Accessories



Auger

Augers are designed for drilling holes for footings, etc.



Ditch Bucket

Ditch Buckets are designed for trenching, grading and finishing work.

EXCAVATORS – Accessories cont.



Concrete Crusher

Concrete Crushers are designed for the demolition of reinforced concrete structures



Hammer

Hammers are designed for demolition work.

EXCAVATORS – Accessories cont.



Rotating Shear

Rotating Shears are designed for the demolition of steel or concrete structures.



Tilt Bucket

Tilt Buckets are designed for culverts, drainage ditches and cross slopes.

EXCAVATORS – Accessories cont.



Vibratory Plate Compactor

Vibratory Plate Compactors are designed for soil compaction in trenching and sloping applications.



Pulverizer

Pulverizers are designed for recycling and processing debris.



INFORMATION TO NOTE FOR EXCAVATOR VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

FORESTRY EQUIPMENT



Forwarder

Forwarders are designed for rough service and come equipped with a light duty grapple crane and a logging body.

They feature 8 wheel hydrostatic drive and wide floatation tires.



Harvester

Harvesters are designed for the thinning and felling of trees and typically are equipped with a quick release grapple and knife blade shear head.

They feature 4 to 6 wheel drive and have a reach up to 40'.

FORESTRY EQUIPMENT – cont.



Log Loader

Log Loaders are equipped with up to a 40' boom and are mounted on a track (crawler) carrier.



Skidder-Wheel

Skidders are designed to work in steep terrain and can be either wheel or track powered.

They typically are equipped with a dozer blade and a grapple boom.



Skidder-Crawler

Fork Lift

Open ROPS

Mast



Solid (Cushion) Tires

Forks

FORK LIFTS



Solid (Cushioned)
Tire Fork Lift



Pneumatic Tire
Propane Powered
Fork Lift



Walker Rider
Fork Lift

Fork Lifts are designed for moving materials in manufacturing, warehousing and distribution applications.

Depending on the size and capacity, fork lifts may be gasoline, propane, diesel or electric powered.

Common options include barrel tipper forks, hydraulic squeezers and push racks.

They can be equipped with either solid (cushioned) or pneumatic tires.

FORK LIFTS – cont.



Three Wheel
Fork Lift



Stacker Fork Lift



Stand Up
Fork Lift



Tugger



INFORMATION TO NOTE FOR FORK LIFT VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

Loader Backhoe

Backhoe

Enclosed ROPS



Hydraulic Outriggers

Front Loader

Loader Backhoe

Front Loader

Enclosed ROPS



Hydraulic Outriggers

Backhoe

LOADER BACKHOES



Loader Backhoe



Loader Backhoe
with Angling Snow Plow

Loader Backhoes have the versatility to dig like a excavator and load like a wheel loader.

Major options include extendable booms (Extendahoes), semi-automatic (Power Shift) transmissions, all wheel drive (AWD) and hydraulic and mechanical quick couplers.

Available accessories include Angling Brooms, Hammers, Rakes, Asphalt Cutters, Forks, Side Dump Buckets, Vibratory Plate Compactors.



INFORMATION TO NOTE FOR LOADER VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

MOTOR GRADERS



Motor Graders are designed for long pass finish grading.

The long wheelbase design allows for steep angling of the moldboard (plow).



PAVERS



Rubber Tired Paver

Pavers may be track or wheel powered. They lay down and compact asphalt roadbeds.



Track Paver

PIPELAYERS



Pipelayers are crawler tractors equipped with a side boom and winch for the placement of pipelines and culverts.



SCRAPERS



Single Engine
Open Bowl Scraper



Tandem Engine
Dual Bowl Scraper



Single Engine
Elevating Scraper

Scrapers are designed for the rough leveling of roadbeds.

They level, load up and dump excess material.

They are available in many configurations; open bowl, elevating, tandem engine push-pulls, elevators and augers.

Skid Steer Loader

Open ROPS



GP Bucket

Counterweight

SKID STEERS



Skid Steer Loader
with Bucket



Skid Steer Loader
with Forks



Skid Steer Loader
with Grapple Bucket

Skid Steer Loaders are versatile compact construction machines that offer many accessory options.

All skid steers have hydrostatic drive and turn by releasing power to one side and skidding over.

The smallest machines may be powered by air or water cooled gas engines, but the typical unit has a 4 cylinder diesel engine.

SKID STEERS – cont.



Skid Steer with
Angle Broom

Angle Brooms are designed for lot cleanups and can be angled to either side.



Skid Steer with
Auger

Augers are designed for drilling holes for footings, etc.

SKID STEERS – cont.



Skid Steer with
Cold Planer

Cold Planers are designed for small paving jobs and restore asphalt or concrete to a specified grade.



Skid Steer with
Hammer

Hammers are designed for demolition work.

SKID STEERS – cont.



Skid Steer with
Trencher

Trenchers are designed to cut narrow straight trenches for the laying of cable or pipe.



Skid Steer with
Vibratory Drum

Vibratory Drums are designed for compacting surfaces prior to pouring concrete or laying asphalt.



INFORMATION TO NOTE FOR SKID STEER VALUATIONS

- PIN
- Year, Make, Model
- Engine Make & Model

SEE VEHICLE REQUEST FORM FOR COMPLETE LIST.

TRENCHERS



Ditch Witch Trencher



Gradall Crawler
Trencher



Gradall Truck Trencher

Trenchers are designed for general contracting work such as installing utilities, sewer and pipelines.

They may be either mechanical or hydraulic.

Boom type trenchers have booms that raise, lower and swing side to side.

Wheel Loader

Counterweight

Enclosed ROPS



Articulated Steering

Bucket

WHEEL LOADERS



Wheel Loaders come in various sizes and are designed for fast movement, clearing and loading of materials.

They can be equipped with either open or enclosed ROPS (Roll Over Protection System) cabs as well as numerous styles of buckets and accessories.



Common options include additional counterweights, hydraulic third valves, cab equipment including AC, heat and defrosters and work lights.



WHEEL LOADERS – Buckets and Accessories



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WHEEL LOADERS – Buckets and Accessories



Side Dump Bucket

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Attachment

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WHEEL LOADERS – Buckets and Accessories



Loader Rake

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Extended Arm

Extended Arms allow a loader to be used as a utility crane.



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MISCELLANEOUS EQUIPMENT



Cold Planer

Cold Planers remove worn pavement to a specified grade and slope and leave a textured surface that can be overlaid.



Telescopic Handlers are very maneuverable light duty lifters with a 2 or 3 section telescoping boom.

They have a lift range up to 50' and a capacity of up to 5,000 lbs.