

***HYSTER* vs. Clark**

Competitive Comparison

H80XM



Style

- * The smooth rounded hood, steering column, frame and counterweight are modern looking and pleasing to the eye.
- * Dual cooling air outlets on counterweight.
- * The back lit instrument panel, mounted on right side of dash, is easy to read and attractive.
- * The one piece design of the modern integral operator's compartment looks sturdy.

Style

- * Smooth rounded hood, steering column, frame and counterweight add to the aesthetic appearance of the truck.
- * Instrument panel visibility may be limited due to its mounted position at the base of the steering column.
- * Modern integral operator compartment provides good visibility and reduces vibration to the operator.



Clark CGP40

Hyster



- * The open tread design step has a height of 17.7", gives good foothold and allows for quick and convenient on/off access. The second step is only 12.8" for a total of 30.5" from the ground.



- * The large contoured, rubber coated handgrip on left side (optional on right side) is bolted to the left-hand side of the overhead guard leg and allows the operator to easily and safely enter/exit the operator compartment.



- * The 90-degree swing out of the LPG tank allows for easier tank changing for the operator.

Clark



- * The Clark has a 16.6" open tread design first step. The second step is 17" for a total of over 33½" from the ground.



- * Two handgrips without any slip-resistant coating are welded to the left and right side of the overhead guard leg.



- * LPG tank swings out to facilitate tank removal and installation. Tall counterweight makes procedure more difficult.

Hyster



- * Tilt cylinders are located under floorplates allowing an unobstructed floor area for the operator. A wide, single inching/brake pedal allows use with either foot.

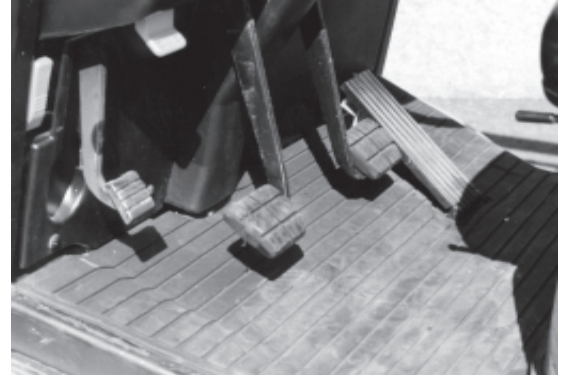


- * Seat side hydraulic levers (modern) are staggered and are placed within the operator's comfort zone for convenient and productive operation.



- * The five-position tilt steering column provides additional operator comfort for convenient and productive operation.

Clark



- * The footwell is short and is cluttered with three pedals consisting of a brake pedal, separate inch-brake and large accelerator pedal. The Unitrol pedal is available as an option.

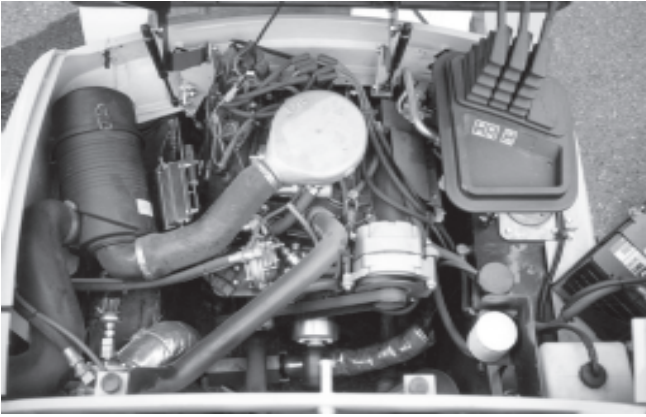


- * The cowl mounted hydraulic levers add to operator fatigue and are placed close together resulting in difficult operation, especially when wearing gloves.

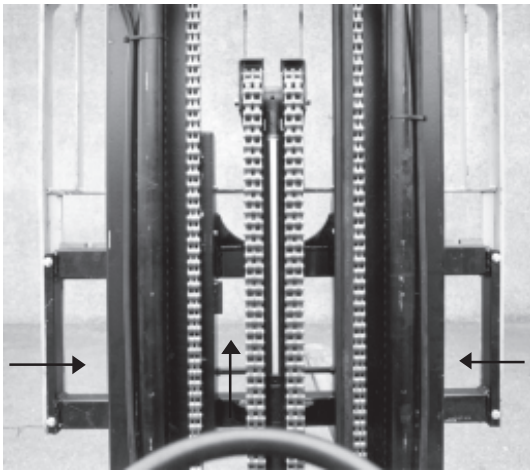


- * The tilt steering column locks in one of 6 positions.

Hyster



- * The powerful and reliable GM V6 4.3 L LPG/carburetor engine will withstand rugged and demanding applications and deliver high productivity and performance with increased travel speeds.

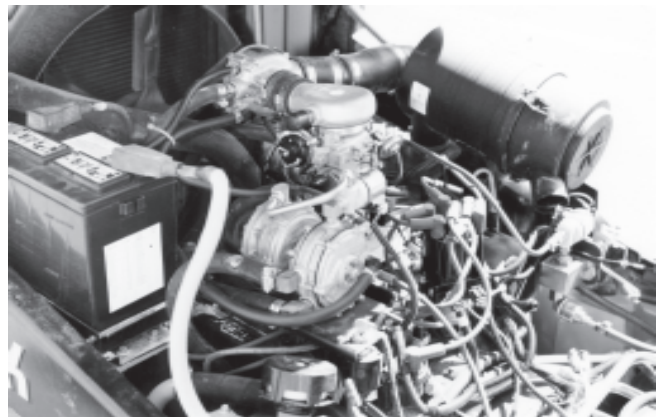


- * The VISTA mast provides good visibility at truck bed height.

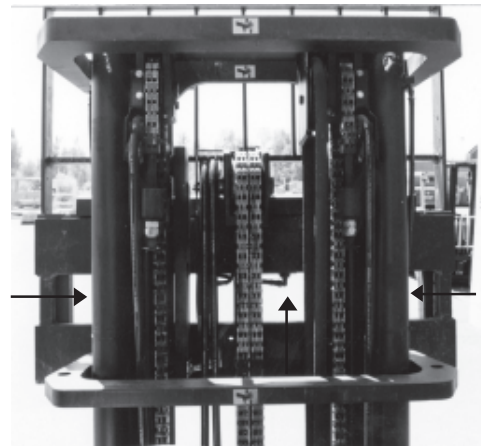


- * The bar on edge overhead guard provides good vision overhead.

Clark



- * GM 4.3 L V6 Gasoline/LPG engine is made of durable, all cast iron with optional dual fuel system. significantly less gradeability and 36% less HP.



- * A large view window (16.75") enhances the high visibility mast.



- * The grid style overhead guard with edge mounted bars offers maximum protection and good visibility also.

Hyster



- * The rubber bushing mounted cast ductile iron steer axle has tapered roller wheel bearings. It also provides responsive control, and eliminates mechanical linkage for reduced surface shock and simplified maintenance.



- * The Hyster VISTA mast angled load rollers resist forward, backward and lateral forces.

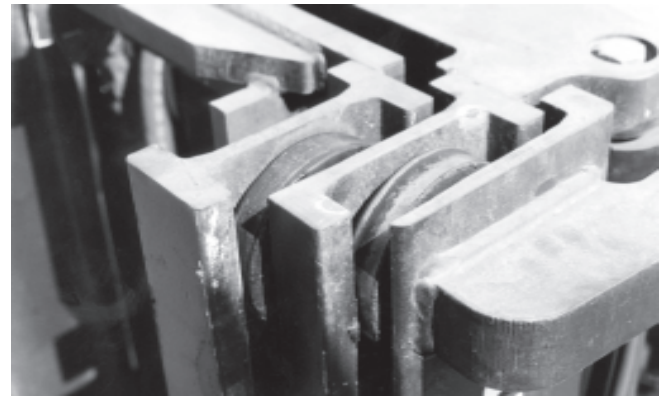
Ergonomics

- * A 3/8" thick floor mat insulates against vibration and reduces noise.
- * The isolated comfortable operator's compartment is welded in one piece and mounted on rubber isolators providing durability and reduced noise and vibration.
- * Standard seat is a vinyl non-suspension seat with forward and rearward adjustments with seat belt and hip restraints.
- * A Monotrol pedal is standard which provides foot controlled directional changes to free one hand for steering and the other to steer or to control hydraulics.
- * A handbrake is placed in an easy to reach location within the operator's comfort zone.
- * The back lit instrument module is easy to read and provides a quick visual check of the truck.
- * Convenience/clipboard trays are an added feature for the operator's convenience.
- * Hydrostatic steering allows for precise, reliable control.

Clark



- * The steer axle design has adjustable tie rod ends prone to failure requiring expensive repair and downtime.



- * Mast is manufactured of heavy C-channel outer rails and full I-section inner and intermediate rails. All rollers are canted to accept both normal and side thrust loads.

Ergonomics

- * The floor mat is only 1/4" thick, resulting in easy rips, tears and limited noise reduction.
- * Rubber mounts cushion the isolated operator's cell.
- * A directional control, mounted to left of steering column, is easy to operate.
- * Unitrol foot directional control is available as an option.
- * A left foot parking brake requires less effort than a hand brake.
- * The instrument module is easy to read.
- * The operator shoulder restraints consist of small rubber coated bars that are mounted to the back and sides of the cushioned seat. These confining restraints make driving in reverse difficult for some operators.
- * Hydrostatic steering is designed for precise, reliable control.

Hyster

Performance/Productivity

- * An optional 2-speed forward autoshift transmission provides smooth shifting and high productivity.
- * The cowl mounted 2nd gear lockout switch provides the option of locking out 2nd gear if higher speed is not needed.
- * A large steel square wave radiator allows engine to run cooler.
- * A Monotrol pedal is available (not shown) which provides foot controlled directional changes to free one hand for steering and the other to steer or to control hydraulics.
- * An engine shutdown system is provided for safety of engine components.

Serviceability

- * The instrument module is easy to read and provides a quick visual check of truck functions.
- * The hood pivots forward and opening side panels offer quick, easy checking of belts, alternator, water pump and radiator.
- * The removable/hinged side panels allow easy access to engine compartment.
- * The swing out battery tray allows easy changing of the battery.
- * J-hook mast mounting is easier, safer and requires less time.
- * The truck is standard pre-wired for lights.
- * The floor plate easily lifts out with no tools required for easy access for servicing.
- * The steer axle requires no adjustment, which saves time.
- * The cowl mounted fuse panel is easily accessible.
- * Bolt-on fender extensions are easily installed/removed on trucks with dual drive tires.
- * The transmission oil dipstick can be accessed through a door in the floorplate without having to remove the entire floorplate.
- * The brake drums are easily removed for service of brakes.
- * A single serpentine drive belt provides superior service life and maintains tension without adjustment like v-belts would.

Clark

Performance/Productivity

- * The CLARK monitor engine shutdown system alerts the operator of potential maintenance needs.
- * Powershift transmission (2 speed forward/ 1 reverse is standard).
- * Single and dual tire options are available.
- * Optional Unitrol foot directional control available.

Serviceability

- * The clamshell hood pivots back to the rear for engine access.
- * Clark also has a serpentine drive belt vs. V-belts which have less service life and require more adjustments.
- * The lift-out floorboard requires no tools.
- * The LPG tank is difficult to remove with the very tall counterweight.
- * Disc brakes are enclosed thus protected from debris.

Hyster

Noise control

- * The hydraulic pump is mounted inside the counterweight for quieter operation.
- * The cooling fan is mounted inside counterweight.
- * All panel joints are sealed.
- * The 3/8" thick floormat insulates against vibration and reduces noise.
- * Noise absorption materials are used around engine compartment.
- * The covers are dampened to eliminate noise.

Visibility

- * The instrument panel is backlit.
- * Integral sideshift is provided for better maneuverability.
- * High visibility carriage bars allow better visibility at truck bed height.

Vibration control

- * Elastomeric mounts cushion shock for smooth ride and good operator comfort.
- * The isolated operator's compartment is a one-piece structure mounted on rubber isolators.
- * Variable spring rate engine mounts.

Reliability

- * The Hyster steer axle is a one piece cast ductile iron steer axle.
- * Tapered roller bearing spindle mounting lasts much longer than needle bearings and eliminates adjustment for wear.
- * The drive axle is a single piece cast design for strength and durability.
- * The carriage has 6 canted load rollers to provide good lateral stability.
- * The standard Monotrol pedal provides foot controlled directional changes to free one hand for steering and the other hand to steer or control hydraulics.
- * Dual speed transmission provided for high productivity and performance.
- * The fork stops in the counterweight prevent damage to components.

Clark

Noise control

- * Noise level is approximately the same as other trucks in this industry class.
- * Noise suppression material is in the engine compartment.
- * The thin floormat does little to insulate against noise.

Visibility

- * Illuminated instrument panel.
- * Sideshift is optional.
- * Carriage has tapered bars for improved visibility.

Vibration control

- * This truck features an isolation mounted operator cell to provide a quiet, comfortable and spacious environment to the operator.
- * Rubber isolation mounts support the steer axle and absorb shock.

Reliability

- * Clark's two-speed transaxle is an integral assembly of transmission, differential, and drive axles.
- * Bars in the counterweight protect radiator or fan drive from damage inflicted by the forks of another lift truck.