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These are heavy - duty machines usually equipped with suspended cables or strong ropes. The cables are used to lift or lower heavy objects that are impossible to carry manually. Cranes come in handy in various industrial needs such as movie production, machine fabrication, oil mining, building and maintenance of constructions. The global need of moving and hoisting heavy objects and materials have led to invention of different types of cranes. Some are mounted on trucks, we have the crawlers and the all-terrain ones.

Trucks are more convenient in moving cranes to different places. These machines are commonly used in construction of bridges and buildings. The crawlers are very stable and can move very heavy objects. They can work at any given work place. However, they have to be dismantled so as to be transported. Crawlers are very expensive because they are very heavy and durable. The all-terrain vehicles are ideal for both industrial jobs and off roads constructions. They are not restricted to use public roads. Fork lifts are a good example of all terrain machines; it has a load capacity of 1200tons.

Cranes spare parts;

When scouting to buy a crane, it is good to do a good prior research. Some of the details you need to consider are; where you are going to use it, the price of the machine and the availability of its spare parts.

With a good working place terrain, the machine is not prone to many mechanical problems. Meanwhile, know the price, compare different manufacturers' catalogs or even call up their sales agents.

Waiting for manufacturers technicians to fix your crane is expensive and time consuming. The ideal thing to do is to purchase genuine and independent spare parts. Finding the parts from vendors is also easy and quick than getting the manufacturer. Some of the most common spare parts in the market are; motors, gears, wheels, gear boxes, speed controls, drums, drive shafts, wire ropes and cables, brake pads and many other parts.

Frequent crane maintenance and change of parts improves its efficiency and durability. Some of the spare parts can be easily changed by the owner. All you need is the right mechanical tool and a manual if necessary. However, in case of a mechanical crisis, it is advisable for you to contact the manufacturers.

Cranes safety training;

These heavy machines are potential to catastrophic accidents. One has to be ready to invest in safety training before operating it. Some of the common cases of accidents are;

- Accidental drops which occur when there are problems between the angle of load and ground. To avoid it try and keep it under 10% or 0% if possible. An angle above 10% can make the load to slip and cause an accidental drop.
- Consider shape and temperature when choosing a sling size. A sling is used to carry heavy loads. If the load slips from the sling it can be hazardous. Wire slings are preferred due to their versatility and strength. However, some are made of metal mesh, chain or even synthetic materials.

- Wearing protective gear and frequent safety checks on the machine parts would reduce lots of accidents.
- Use professional crane operators to avoid accidents. It is proper to check if they have proper documents to show that they can operate the machine. 90% of crane accidents are caused by human error or even unqualified operators.

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