Move More For Less: All Day, Every Day!

Servicing
Minimal maintenance is required. Only 5 minutes per day during the operator's start-up inspection is required to properly grease the entire machine in preparation for the day's work.

Ejector Blade
Guided by 4 maintenance-free bearings and is powered by a single large bore hydraulic cylinder. Ejector cylinder and rod are protected from damage inside the rear frame assembly.

Large Apron Opening
Twin large bore hydraulic cylinders open and close the apron quickly for precise loading control and fast consistent unloading and spreading through the 89" (226 cm) high opening.

Bowl Structure
Fine-tuned with advanced FEA modeling to withstand severe loading shocks and jobsite conditions. 12' (366 cm) cutting width feeding a reinforced, wear resistant steel bowl with 6'1" (186 cm) sidewalls ensures the bowl loads quickly and retains the material that is loaded with minimal waste due to spillage.

Efficient Scraper Power
The 422 HP (314 kW) Bell 4206D is purpose-built for scraper applications, with scraper mode delivering optimum power-to-the-ground to cut and carry heavy loads combined with high speed hauling and spreading.

The Titan Hitch
To maximize utilization of the power unit, the scraper can be disconnected in minutes from the tractor by removing the 8 bolts at the hitch and disconnecting the quick couplers.

True Scraper Tires
Two 37.5 x 39 E3 tires, each carried by a 5" (12,7 cm) diameter heavy duty axle and dual tapered roller bearing assemblies running in a synthetic semi-fluid bath. High capacity, externally mounted dry disc brakes common to the Bell 4206D are standard.

Push Block
Right-sized push block is an easy target for the push-dozer; shaped to avoid damaging the dozer blade and to protect the scraper tires. Fitted with recessed tow hitch.

Self-Aligning Spherical Steel Bearings
Used at all hydraulic cylinder anchor points for long service life with minimal maintenance required.

Responsive Hydraulics
Heavy-duty cylinders powered by a 79 GPM (299 l/m) variable displacement, load-sensing pump. Three heavy duty quick couplers connect the manifold to the tractor for fast, easy and dry connection. Stainless steel lines and 4-wire braid hoses resist impacts, chafing and corrosion.

Ground Clearance
29" (74 cm) clearance under the cutting edge permits fast, easy travel over rough surfaces without dragging the bowl or increasing fuel consumption.

Easy Rolling Stability
Large rear-mounted tires provide wide-tracking stability and effective weight transfer to the tractor for optimum rimpull. Large diameter tires also roll more easily than 4 smaller tires, especially in soft soils, allowing faster cycle times and lower fuel consumption.

Titan High Arch Drawframe
Compact design with double lapped steel construction mounts to a massive 12" (30,5 cm) diameter ball hitch; allows optimum weight transfer, clear visibility to the cutting edge, unsurpassed stability at high travel speeds over uneven surfaces.

Cutting Edges
4 interchangeable, reversible 1.5" (3,8 cm) thick cutting edges c/w stinger feature, mounted to the bowl by 1" (2,5 cm) plow bolts for easy handling and maintenance. Also included are reversible .75" (1,9 cm) thick router bits.

Comfort and Safety
The integrated tractor and bowl combine to give operators an ergonomically complete work station providing excellent visibility, a choice of controls and a remarkably smooth, stable ride.

The High Arch Drawframe
The distinctive High Arch Drawframe of the S4412B scraper effectively integrates the tractor and scraper bowl into a single efficient high-volume earthmoving system for push-load or top-load haul and spread applications.

The weight-transfer characteristics of the High Arch design enable the Bell tractor to deliver more power to the ground and fully utilize the designed-in strength, speed, traction and agility of the scraper system. Its double lapped steel construction with a massive ball hitch and receiver matches power with strength, ensuring lasting durability to move more material through the lifetime of the equipment.

Responsive hydraulics
With a programmable multi-function joystick or paddle switches, the S4412B scraper hydraulic system is both durable and responsive. Heavy duty, large diameter cylinders are powered by the 79 GPM (299 l/m) variable displacement load-sensing pump in the Bell tractor. The cylinders are controlled by a 3-bank electro-hydraulic manifold mounted on the scraper drawframe. Strength, capacity and simplicity come together to produce all day every day, to load efficiently in the cut and to spread precisely in the fill area.

A scraper that holds what it loads
The Titan's 6'1" (186 cm) high sidewalls and profiled spill-guard, work together to hold the material that is loaded into the bowl with minimal spillage. Material that is allowed to spill over the sides of a bowl is energy wasted and productivity lost - the Titan bowl delivers what it cuts to move more material more efficiently with each cycle.