



New Holland Construction

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AD250

Articulated Haul Truck

ENGINE		
Make and model	Cummins 6 CTA 8.3: diesel direct injected turbocharged 4-cycle engine	
Cylinders	6 in-line, with replaceable linings	
Bore x stroke	4.49" x 5.3"	(114 x 135 mm)
Displacement	506 in ³	(8.3 L)
Power rating @ 2200 rpm	260 hp	(194 kW)
Maximum torque @ 1,300 rpm	828 lbf-ft	(1123 Nm)
Air filter	dry type air cleaner	
Cold starting device	standard	

OPERATING WEIGHTS		
Unloaded	37,589 lb	(17.05 t)
Payload	50,596 lb	(22.95 t)
Gross vehicle weight	88,185 lb	(40 t)

VOLUME		
Struck	14.4 y ³	(11 m ³)
Heaped (SAE 2:1)	17 y ³	(13 m ³)

AUTOMATIC TRANSMISSION		
Type	ZF WG210 full power-shift gearbox with 6 forward and 3 reverse speeds	
Max speed	32 mph	(51.5 kph)

AXLES — 6X6 DRIVE		
Type	ZF axles, rigid-type, with planetary hub reduction driven, with limited slip differential	
Front axle	driven, with limited slip differentials and lockable interaxle differential	
Rear axles		

TIRES	
Type	Michelin 23.5 R 25

STEERING SYSTEM	
Type	Hydraulically operated steering, acting on articulated joint between frames

BRAKE SYSTEM		
Type	Dual circuit, full hydraulic system, operated by pressure accumulators	
Service		
front	single caliper dry disc brakes	
rear	single caliper dry disc brakes	
Parking	wet type, multi-plate, maintenance free brake, transmission built-in	
Max. operating pressure	1,813 PSI	(125 bar)

SUSPENSION	
Type	Semi-independent systems front and rear, very sensitive to the ground
Front	air-over-hydraulic cylinders
Rear	double beam linked by elastic pin to a torque-reacting structure

ELECTRICAL SYSTEM		
Voltage	24 V	2 x 12 V
Battery	100 Ah	
Alternator	28 V	70 A
Starter motor	10.2 hp	(7.6 kW)

HYDRAULIC SYSTEM		
Type	Hydraulic pump, engine dependent, for steering, braking, tipping	
Pump	gear type	
Capacity	55.7 US gal/min	(211 L/min)
Max. operating pressure	2,466 psi	(170 bar)
Emergency electrical pump for steering		

FRAME AND CHASSIS	
Type	Fronts and rear frames are linked by heavy-duty articulation pin joint and taper roller bearing ring
Steel	high tensile steel Hardox 400
Profile	box section and plates

BODY	
Type	hardened and tempered wear resistant steel plates, reinforced by high tensile steel Hardox 400
Tipping	2 double-acting multi-stage cylinders

CAB	
Type	steel constructed current ROPS & FOPS standards, centrally located, mounted on rubber pads, pressurized and filtered air and tinted glass
Engine bonnet	forward tilting and sloped
Driver seat	mechanically sprung
Rear-view mirrors	including wide-angle

INSTRUMENTS & GAUGES	
Digital display and warning lights for: air cleaner obstruction, battery charge, headlight highbeam, turn signal, service brake pressure, parking brake, longitudinal differential engaged, torque converter lockup, fuel level, engine coolant temperature, engine oil level, engine oil temperature, transmission pressure, transmission temperature, hour meter, speed (MPH or Km/h) engine speed (RPM), clock.	
Controls and indicators for: engaged gear, wiper washer, wiper speed (2 speed), heater vent (+ airco), cigarette lighter, all wheel drive selector, lights/horn, hazard warning, flashing beacon, work lamps front and rear, fog light, auto gear-shifting engagement.	

EQUIPMENT	
Standard	Air conditioning 12 V converter Rear view close circuit TV Cold starting device Dump indicator Michelin Tires 20.5 R 25
Optional	Radio cassette player Body heating kit Rotating beacon on cab top

