

Hercules Trackmobile

- Year**
- Model**
- Serial number**
- 2011 HERCULES **LGN 990211011**
- MAXIMUM TRACTIVE EFFORT:**
 - 44,178 lbs [20,284 kg] double coupled
 - 28,383 lbs [12,874 kg] single coupled
- ENGINE**
 QSB - 6.7 Liter **S/N 73277305**
 Cummins electronic turbo-charged diesel engine
 Meets EPA Tier III EU State III A emissions
- CONFIGURATION**
 6 cylinder inline
 4 valves per cylinder
 408 in (6.7L) engine displacement Tier III
 160 hp (123kw) horsepower Tier III @2500 rpm
 539 lb-ft [731 n-m] maximum torque Tier III @1500 rpm
 Automatic engine shutdown
 Intake air heater - preheats incoming combustion air prior to start
- AIR INTAKE**
 3-stage filtration: high-efficiency pre-cleaner tubes, primary filter, safety filter
- FUEL TANK**
High strength steel, fuel tank – upgrade!!
Approximately sixty (60) gallon (227 liters) capacity with lockable cover
- TRANSMISSION**
 Funk, DF 150 series, constant mesh spur gearing four speed forward and reverse with selectable power shift manual or automatic with 4th or 3rd and 4th gear lock-out rail, road, or both
- AXLES**
 On Road - Two (2) heavy-duty, steel case, hydraulically raised and lowered
 On Rail - Two (2) out-board internal planetary type with high strength ductile iron
 Rear axle drive hubs with friction drive
- DIFFERENTIAL**
 Rigid, outboard planetary air actuated differential locking
- TRANSFER CASE**
 Heavy-duty, hardened
 Selectable neutral braking - automatically applies brake to full pressure within 5 seconds
- AAR COMPATIBLE TRAIN AIR BRAKE SYSTEM**
 Gladhand connections
 100 CFM rotary screw compressor with large steel constructed (train air reservoir, 2.0 ft (56.6 L) capacity
- PNEUMATIC SYSTEM**
 Machine air pressure system air dryer with automatic internal 12 VDC heater

- HYDRAULIC**
 On-road machine braking - hydraulic disc brakes, duel calipers per side
 On-rail machine braking - hydraulic disc brakes, 18" (457 mm) diameter
 Constant pressure hydraulic system, with piston pump and o-ring face seal fittings
 Electrically controlled cartridge monoblock valve with diagnostic pressure ports
- BRAKE SYSTEM**
 On-road machine braking hydraulic disc brakes, dual calipers, 14.625" (371.475 mm)
 On-rail machine braking hydraulic disc brakes, 18" (457 mm) diameter
 Machine parking brake - 14" (335.6 mm) diameter disc, driveline mounted
 In-cab train air source control
 On-road machine braking - hydraulic disc brakes, duel calipers per side
 On-rail machine braking - hydraulic disc brakes, 18" (457 mm) diameter
 Constant pressure hydraulic system, with piston pump and o-ring face seal fittings
 Electrically controlled cartridge monoblock valve with diagnostic pressure ports
- ELECTRICAL**
 Heavy duty 12 Volt DC, 160 amp alternator with dual 925 CCA batteries
 Digital Instrumentation System - SAE-J1939 Can-Bus Control System
 Ultraview 7" digital display for real-time machine statistics and diagnostic data
 Safe-T-Vue video 10" monitor display with 360 degree surround view camera system
 Alarms - automatic backup road-mode alarm, selectable electronic warble-type alarm, blast type air horn, and amber led strobe warning lights
- WHEELS/TIRES**
 On Road - four (4), 16 ply 9.00 x 20 heavy duty, mine service rubber tires
 On Rail - four (4), 27" (685.8 mm), heat-treated, cast steel, ring-style flanged AAR profile standard gauge 56 1/2" (1435 mm)
- SANDERS**
 Eight (8) individual, air-operated, electronically-controlled sanders - 2 per wheel
- MAIN FRAME**
 Heavy duty - high strength 2" thick welded steel structural frame with two (2) front 3" (76.2 mm) thick cross-members, one each on the front and rear
 Floating axles with mainframe, oscillate up to 2.6 degrees assuring 4-wheel rail contact
- BODY FRAME**
 Heavy duty all-welded construction steel plates and structural forms
- SUSPENSION**
 Durable shock resistant foundation for body frame, cab isolation mounts for reduced noise and vibration levels
 Six (6) isolation mounts between cab and body frame (deck), and eight (8) Lord rubber mounts between the body (deck) and main frame
- STEERING**
 On road - hydraulic power steering with pivot away steering wheel
- STANDARD AAR COUPLERS**
 Two heavy duty cast steel weight transfer design positive coupling and uncoupling with AAR Contour Coupler and locking knuckle
 Industry leading coupler beam width for adverse and severe curve radius
 AAR, SA-3, UIC (hook and buffer style), metro train type couplers allowing dual-gauge conversion capabilities - Optional
- INSTALLED OPTIONS:**
Remote control
 Max-Tran (automated weight transfer)
 Train air charge indicator

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Remote control and new steel fuel tank



Hercules Trackmobile - interior



ECM readout on engine hours

Engine run time	29,292 hours
Engine Idle time	18,157 hours
Drive time	10,942 hours
Full load operation time	195 hours
Total fuel used	22,280 gallons
Idle fuel used	10,940 gallons
Average fuel rate	0.8 gallons per hour

