MONTANA
Department of Transportation

MDT-BRG-015 04/23

# Montana Department of Transportation
# Bridge Bureau
# Approved Construction Equipment List

| | |
|---|---|
| **Make:** | *Caterpillar* |
| **Model:** | *D8-T* |
| **Equipment Type:** | *Dozer* |
| **Contractor Modifications:** | *None* |

## Interstate Approval Conditions

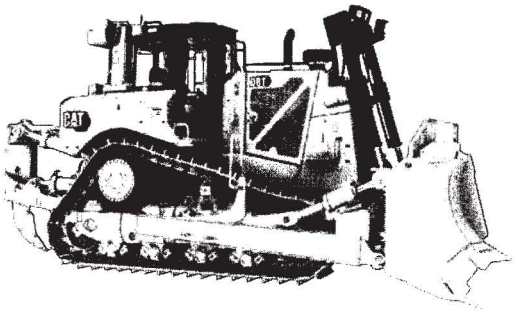
| | |
|---|---|
| ***Approval Type*** | ***Crossing Only*** |
| ***Speed:*** | ***No Restriction*** |
| ***Weight:*** | ***88,698 lb or less*** |
| ***Traffic:*** | ***Approved with regular traffic*** |
| ***Location Restrictions:*** | ***No Restriction*** |

## Non-Interstate Approval Conditions

| | |
|---|---|
| ***Approval Type*** | ***DENIED*** |
| ***Speed:*** | ***DENIED*** |
| ***Weight:*** | ***DENIED*** |
| ***Traffic:*** | ***DENIED*** |
| ***Location Restrictions:*** | ***DENIED*** |

**Comments:**

Equipment configuration, weights, and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.



# D8T

Track-Type Tractor

# Technical Specifications

**Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.**

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# D8T Track-Type Tractor Specifications

## Engine

| | | |
|---|---|---|
| Engine Model | Cat® C15 | |
| Emissions | U.S. EPA Tier 4 Final/ EU Stage V/ Korea Tier 4 Final | |
| Build Number | 21A | |
| Net Power (at rated speed, 1900 rpm) | | |
| ISO 9249/SAE J1349 | 264 kW | 354 hp |
| ISO 9249/SAE J1349 (DIN) | 359 mhp | |
| Maximum Power (at 1600 rpm) | | |
| Engine Power: ISO 14396 | 294 kW | 394 hp |
| Engine Power: ISO 14396 (DIN) | 400 mhp | |
| Gross Power: SAE J1995:2014 | 294 kW | 394 hp |
| Bore | 137 mm | 5.4 in |
| Stroke | 172 mm | 6.75 in |
| Displacement | 15.2 L | 928 $in^3$ |

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- Net power is tested per ISO 9249:2007 and SAE J1349:2011.
- Engine power is tested per ISO 14396:2002.
- No derating required up to 3566 m (11,700 ft) altitude, beyond 3566 m (11,700 ft) automatic derating occurs.
- All nonroad Tier 4 Final, Stage V, Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) with 15 ppm (mg/kg) of sulfur or less, or up to B20 biodiesel blended with ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.
- Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

## Service Refill Capacities

| | | |
|---|---|---|
| Fuel Tank | 627 L | 165 gal |
| Diesel Exhaust Fluid Tank | 24 L | 6.3 gal |
| Cooling System | 86 L | 22.7 gal |
| Engine Crankcase* | 38 L | 10.0 gal |
| Power Train | 155 L | 41.0 gal |
| Final Drives (each) | 12.5 L | 3.3 gal |
| Roller Frames (each) | 65 L | 17.2 gal |
| Pivot Shaft Compartment | 40 L | 10.6 gal |
| Hydraulic Tank | 75 L | 19.8 gal |

* With oil filter.

## Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.5 kg of refrigerant which has a $CO_2$ equivalent of 3.575 metric tonnes.

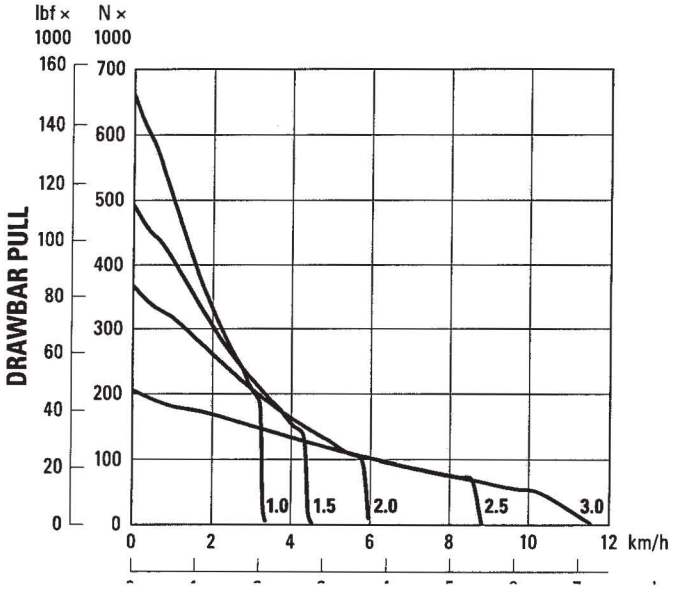
## Hydraulic Controls

| | | |
|---|---|---|
| Pump Type | Piston-type, Variable Displacement | |
| Pump Output (Steering) | 284 L/min | 75 gal/min |
| Pump Output (Implement) | 244 L/min | 64 gal/min |
| Tilt Cylinder Rod End Flow | 132 L/min | 35 gal/min |
| Tilt Cylinder Head End Flow | 170 L/min | 45 gal/min |
| Bulldozer Relief Valve Setting | 24 000 kPa | 3,480 psi |
| Tilt Cylinder Relief Valve Setting | 24 000 kPa | 3,480 psi |
| Ripper (Lift) Relief Valve Setting | 24 000 kPa | 3,480 psi |
| Ripper (Pitch) Relief Valve Setting | 24 000 kPa | 3,480 psi |
| Steering | 43 000 kPa | 6,240 psi |

- Steering Pump output measured at 2,364 rpm (pump speed) and 30 000 kPa (4,351 psi).
- Implement Pump output measured at 1,900 rpm and 6895 kPa (1,000 psi).
- Electro-hydraulic pilot valve assists operations of ripper and dozer controls. A standard hydraulic system includes four valves.
- Complete system consists of pump, tank, filter, oil cooler, valves, lines, and control levers.

## Transmission

| | | |
|---|---|---|
| 1 Forward | 3.5 km/h | 2.2 mph |
| 1.5 Forward | 4.8 km/h | 3.0 mph |
| 2 Forward | 6.6 km/h | 4.1 mph |
| 3 Forward | 11.3 km/h | 7.0 mph |
| 1.5 Reverse | 4.8 km/h | 3.0 mph |
| 2.0 Reverse | 6.4 km/h | 4.0 mph |
| 2.5 Reverse | 8.7 km/h | 5.4 mph |
| 3.0 Reverse | 11.8 km/h | 7.3 mph |
| Drawbar Pull | | |
| 1 Forward | 659.2 kN | 148,200 lbf |
| 1.5 Forward | 490.8 kN | 110,350 lbf |
| 2 Forward | 366.1 kN | 82,300 lbf |
| 3 Forward | 205.8 kN | 46,250 lbf |




## Standards

- The declared dynamic operator sound pressure level is 76 dB(A) when "ISO 6396:2008" is used to measure the value for an enclosed cab. The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.
- Hearing protection may be needed when the machine is operated with an open operator station for extended periods or in a noisy environment. Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors and windows are open for extended periods.
- **Sound Level Information for Machines in European Union Countries and in Countries that Adopt the "European Union Directives" –** The information below applies to only the machine configurations that have the "CE" mark on the Product Identification Plate.
- The declared dynamic operator sound pressure level is 75 dB(A) when "ISO 6396:2008" is used to measure the value for an enclosed cab. The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.
- The declared exterior sound power level is 113 dB(A) when the value is measured according to the dynamic test procedures and the conditions that are specified in "ISO 6395:2008." The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

### ROPS/FOPS

- Rollover Protective Structure (ROPS) meets the following criteria: ISO 3471:2008.
- Falling Object Protective Structure (FOPS) meets the following criteria: ISO 3449:2005 Level II.

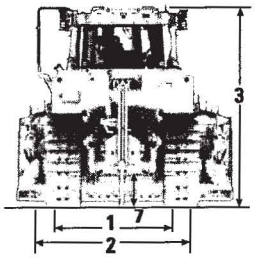
### Brakes

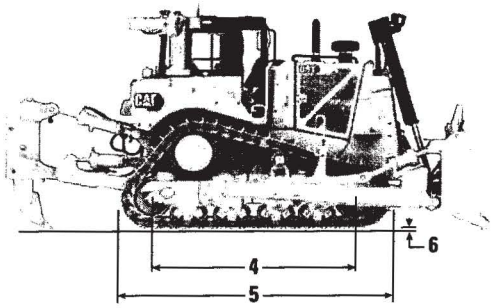
- Crawler Machine Brake Requirements meets the following criteria: ISO 10265:2008.

# D8T Track-Type Tractor Specifications

## D8T

| | | | |
|---|---|---|---|
| | Operating Weight (Single-Shank Ripper) | 40 233 kg | 88,698 lb |
| | Shipping Weight | 35 376 kg | 77,990 lb |
| | Ground Pressure (ISO 16754) | 91.3 kPa | 13.3 psi |
| | Shoe Type | Extreme Service | |
| | Width of Standard Track Shoe | 610 mm | 24 in |
| | Shoes/Side | 44 | |
| | Track Rollers per Side | 8 | |
| | Ground Contact Area (ISO 16754) | 4.32 $m^2$ | 6,697 $in^2$ |
| 1 | Track Gauge | 2083 mm | 82 in |
| 2 | Width of Tractor (without trunnions) | 2693 mm | 106 in |
| 3 | Machine Height from Tip of Grouser to Exhaust Stack | 3475.5 mm | 136.8 in |
| | Top of Cab* | 3498.5 mm | 137.7 in |
| | Top of Guardrail | 3608.5 mm | 142 in |
| 4 | Length of Track on Ground | 3206 mm | 126 in |
| 5 | Length of Basic Tractor | 4647 mm | 183.0 in |
| | With the following attachments add: | | |
| | Single Shank Ripper (with tip at ground line) | 1519 mm | 59.8 in |
| | Multi-Shank Ripper (with tip at ground line) | 1613 mm | 63.5 in |
| | Drawbar | 406 mm | 16.0 in |
| | SU Blade | 1904 mm | 75.0 in |
| | U Blade | 2241 mm | 88.2 in |
| | A Blade (straight) | 2027 mm | 79.8 in |
| | A Blade (angled 25 degrees) | 3068 mm | 120.8 in |
| | Pitch | 216 mm | 8.5 in |
| 6 | Grouser Height | 84 mm | 3.3 in |
| 7 | Ground Clearance | 622 mm | 24.4 in |




- Operating Weight – Includes hydraulic controls, tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, Single-Shank Ripper, 610 mm (24 in) ES shoes, and operator.
- Shipping Weight – Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, Single-Shank Ripper and 610 mm (24 in) ES shoes.

*When Cat Grade with 3D antennas are installed, overall machine height increases by approximately 50 mm (2 in).

## Blades – D8T

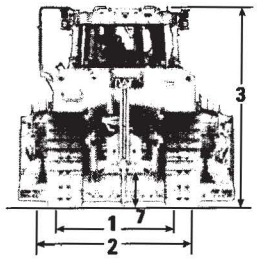
| | Capacity | Width* | Width Over End Bits | Height | Dig Depth | Ground Clearance | Maximum Tilt | Blade Weight* (without hydraulic controls) |
|---|---|---|---|---|---|---|---|---|
| | $m^3$ ($yd^3$) | mm (ft) | mm (ft) | mm (ft) | mm (in) | mm (in) | mm (in) | kg (lb) |
| Semi-Universal (SU) | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 1747 (5.7) | 573 (22.56) | 1255 (49.41) | 895 (35.24) | 4407 (9,716) |
| SU with Rock Guard, Wear Plate | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 2017 (6.6) | 573 (22.56) | 1255 (49.41) | 895 (35.24) | 4998 (11,019) |
| SU with Push Plate | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 1747 (5.7) | 573 (22.56) | 1255 (49.41) | 895 (35.24) | 4655 (10,263) |
| SU with Performance Cutting Edges | 10.3 (13.4) | 3900 (12.8) | 3962 (13.0) | 1747 (5.7) | 573 (22.56) | 1255 (49.41) | 895 (35.24) | 4547 (10,024) |
| SU with Rock Guard, Performance Cutting Edges | 10.3 (13.4) | 3900 (12.8) | 3962 (13.0) | 2017 (6.6) | 573 (22.56) | 1255 (49.41) | 895 (35.24) | 5130 (11,310) |
| Universal | 11.8 (15.4) | 4123 (13.5) | 4265 (14.0) | 1732 (5.7) | 573 (22.56) | 1230 (48.43) | 968 (38.11) | 4895 (10,792) |
| Universal with Rock Guard, Wear Plate | 11.8 (15.4) | 4123 (13.5) | 4265 (14.0) | 2012 (6.6) | 573 (22.56) | 1230 (48.43) | 968 (38.11) | 5454 (12,024) |
| Angle Blade | 5.2 (6.8) | 4531 (14.9) | 5043 (16.5) | 1177 (3.9) | 625 (24.61) | 1323 (52.09) | 733 (28.86) | 5121 (11,289) |

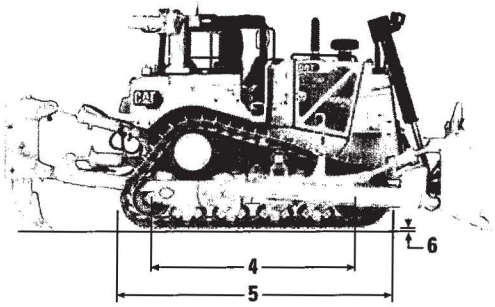
*Includes blade tilt cylinder.

# D8T Track-Type Tractor Specifications

## D8T LGP

| | | | |
|---|---|---|---|
| | Operating Weight (drawbar) | 38 513 kg | 84,906 lb |
| | Shipping Weight | 33 388 kg | 73,607 lb |
| | Ground Pressure (ISO 16754) | 55.3 kPa | 8.0 psi |
| | Shoe Type | Extreme Service | |
| | Width of Standard Track Shoe | 965 mm | 38 in |
| | Shoes/Side | 44 | |
| | Track Rollers per Side | 8 | |
| | Ground Contact Area (ISO 16754) | 6.84 $m^2$ | 10,594 $in^2$ |
| 1 | Track Gauge | 2337 mm | 92 in |
| 2 | Width of Tractor (without trunnions) | 3302 mm | 130 in |
| 3 | Machine Height from Tip of Grouser to Exhaust Stack | 3475.5 mm | 136.8 in |
| | Top of Cab* | 3498.5 mm | 137.7 in |
| | Top of Guardrail | 3608.5 mm | 142 in |
| 4 | Length of Track on Ground | 3206 mm | 126 in |
| 5 | Length of Basic Tractor | 4647 mm | 183.0 in |
| | With the following attachments add: | | |
| | Drawbar | 406 mm | 16.0 in |
| | SU Blade | 1904 mm | 75.0 in |
| | A Blade (straight) | 2027 mm | 79.8 in |
| | A Blade (angled 25 degrees) | 3068 mm | 120.8 in |
| | Pitch | 216 mm | 8.5 in |
| 6 | Grouser Height | 84 mm | 3.3 in |
| 7 | Ground Clearance | 622 mm | 24.4 in |




Standard configuration shown.

- Operating Weight – Includes hydraulic controls, tilt cylinder, drawbar, coolant, lubricants, 100% fuel, ROPS, FOPS cab, LGP SU-Blade, 965 mm (38 in) ES shoes, and operator.
- Shipping Weight – Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, drawbar and 965 mm (38 in) ES shoes.

*When Cat Grade with 3D antennas are installed, overall machine height increases by approximately 50 mm (2 in).

## Blades – D8T LGP

| | Capacity | Width* | Width Over End Bits | Height | Dig Depth | Ground Clearance | Maximum Tilt | Blade Weight* (without hydraulic controls) |
|---|---|---|---|---|---|---|---|---|
| | $m^3$ ($yd^3$) | mm (ft) | mm (ft) | mm (ft) | mm (in) | mm (in) | mm (in) | kg (lb) |
| LGP SU | 9.9 (12.9) | 4402 (14.4) | 4543 (14.9) | 1622 (5.3) | 575 (22.64) | 1228 (48.35) | 859 (33.82) | 4703 (10,368) |
| LGP Angle | 5.6 (7.3) | 5041 (16.5) | 5553 (18.2) | 1177 (3.9) | 625 (24.61) | 1323 (52.09) | 657 (25.87) | 5714 (12,597) |

*Includes blade tilt cylinder.

# D8T Track-Type Tractor Specifications

## Track Shoes

| | 610 mm (24 in) | 660 mm (26 in) | 711 mm (28 in) | 965 mm (38 in) |
|---|---|---|---|---|
| Positive Pin Retention (PPR)Track | | | | |
| Moderate Service | ✓ | ✓ | ✓ | ✓ |
| Extreme Service | ✓ | ✓ | ✓ | ✓ |
| Super Extreme Service | ✓ | | | |
| Moderate Service Trapezoidal | | | ✓ | |
| Extreme Service Trapezoidal | ✓ | ✓ | ✓ | ✓ |
| Super Extreme Service Trapezoidal | | ✓ | | |
| Heavy Duty Extended Life | | | | |
| Extreme Service | ✓ | ✓ | ✓ | ✓ |
| Extreme Service Trapezoidal | ✓ | ✓ | | ✓ |
| Super Extreme Service | ✓ | | | |

## Ripper

| | Single-Shank, Adjustable Parallelogram | | Multi-Shank, Adjustable Parallelogram | |
|---|---|---|---|---|
| Number of Pockets | 1 | | 3 | |
| Overall Beam Width | — | | 2464 mm | 97 in |
| Maximum Clearance Raised (under tip, pinned in bottom hole) | 636 mm | 25 in | 593 mm | 23.4 in |
| Maximum Penetration (standard tip) | 1130 mm | 44.4 in | 780 mm | 30.7 in |
| Maximum Penetration Force (shank vertical) | 127.3 kN | 28,620 lb | 124.2 kN | 27,920 lb |
| Pry out Force | 222.7 kN | 50,070 lb | — | |
| Pry out Force (Multi-Shank Ripper with one tooth) | — | | 222.9 kN | 51,230 lb |
| Weight* (without hydraulic controls) | 4057 kg | 8,944 lb | — | |
| Weight | | | | |
| With One Shank | — | | 3949 kg | 8,706 lb |
| Each Additional Shank | — | | 343 kg | 756 lb |
| Total Operating Weight* (with SU-Blade and Ripper) | 40 233 kg | 88,698 lb | 40 125 kg | 88,460 lb |

* Total Operating Weight: Includes hydraulic controls, blade tilt cylinder, coolant, lubricants, 100% fuel. ROPS, FOPS cab, blade, single-shank 610 mm (24 in) ES shoes, and operator.

## Winches

| Winch Model | PA140VS | | W12E | |
|---|---|---|---|---|
| Weight* | 2136 kg | 4,709 lb | 2880 kg | 6,350 lb |
| Oil Capacity | 15 L | 4 gal | 121 L | 32 gal |
| Increased Tractor Length | 781 mm | 30.7 in | 669 mm | 26.4 in |
| Winch Length | 1614 mm | 63.5 in | 1485 mm | 58.5 in |
| Winch Case Width | 1226 mm | 48.3 in | 1216 mm | 48.0 in |
| Drum Width | 332 mm | 13.1 in | 281 mm | 12.0 in |
| Flange Diameter | 610 mm | 24.0 in | 635 mm | 25.0 in |
| Recommended Cable Size | 29 mm | 1.13 in | 29 mm | 1.13 in |
| Optimal Cable Size | 32 mm | 1.25 in | 32 mm | 1.25 in |
| Drum Capacity | | | | |
| Recommended Cable Length | 84 m | 276 ft | 69 m | 227 ft |
| Optional Cable | 62 m | 204 ft | 55 m | 181 |

- PA140VS – Variable speed, hydraulically driven, dual braking system, three roller fairlead.
- W12E – Fixed speed, PTO driven.

*When Cat Grade with 3D antennas are installed, overall machine height increases by approximately 50 mm (2 in).

## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|---|---|---|
| **POWER TRAIN** | | |
| Cat C15 engine – meets U.S. EPA Tier 4 Final/Korea Tier 4 Final emission standards | ✓ | |
| Cat C15 engine – meets EU Stage V emission standards | | ✓ |
| 24V electric start | ✓ | |
| Aftercooler, air-to-air (ATAAC) | ✓ | |
| Air filter, with electronic service indicator | ✓ | |
| Brakes, Extreme Service | | ✓ |
| Coolant, extended life | ✓ | |
| Drains, ecology, power train | | ✓ |
| Engine precleaner with screen | | ✓ |
| Engine, thermal shield | | ✓ |
| Fan, suction, auto reversing | ✓ | |
| Four planet, double-reduction planetary final drives | ✓ | |
| Fuel priming pump, electric | ✓ | |
| Full autoshift | ✓ | |
| High performance single plane cooling system | ✓ | |
| Oil change system, high speed | | ✓ |
| Parking brake, electronic | ✓ | |
| Precleaner, strata-tube dust ejector | ✓ | |
| Prescreener | ✓ | |
| Radiator, 6.35 fins per inch, debris | ✓ | |
| Sound attenuated exhaust system | ✓ | |
| Starting aid, automatic ether | ✓ | |
| Torque divider with lock-up clutch | ✓ | |
| Transmission control module, electronic | ✓ | |
| Transmission, electronically-controlled powershift | ✓ | |
| Turbocharger | ✓ | |
| Water separator | ✓ | |

| | Standard | Optional |
|---|---|---|
| **CAT TECHNOLOGY** | | |
| Attachment Ready Option (ARO) | | ✓ |
| AutoCarry/AutoRip, single tilt or dual tilt | | ✓ |
| Cat Grade with 3D | | ✓ |
| Cat Grade with Slope Assist | | ✓ |
| Cat Slope Indicate | ✓ | |
| Remote Control Ready | | ✓ |
| Command for Dozing | | ✓ |
| Grade Control Ready | ✓ | |
| Product Link™ – Cellular or Dual Mode | | ✓ |
| **OPERATOR ENVIRONMENT** | | |
| Access/egress lighting with shutdown timer | ✓ | |
| Armrests, adjustable | ✓ | |
| Cab glass – enhanced 40 psi | | ✓ |
| Cab glass – enhanced dual pane | | ✓ |
| Cab, ROPS/FOPS, sound suppressed | ✓ | |
| Deactivation switch, hydraulic controls | ✓ | |
| Decelerator pedal | ✓ | |
| Governor switch, electronic | ✓ | |
| Heater and ventilation | ✓ | |
| Interior LED courtesy lights | ✓ | |
| Mirror, rearview | ✓ | |
| Provision for wire passage in/out of cab | ✓ | |
| Radio, AM/FM, Bluetooth® | ✓ | |
| ROPS mounted air conditioner | ✓ | |
| Seat belt, retractable | ✓ | |
| Seat, cloth, air-suspension | ✓ | |
| Seat, cloth, heated | | ✓ |
| Seat, heated and ventilated | | ✓ |
| Touchscreen operator interface | ✓ | |
| Visibility arrangement – mirrors | | ✓ |
| Visibility arrangement – single camera | | ✓ |
| Window shades | | ✓ |
| Wipers, intermittent | ✓ | |

*(continued on next page)*

# D8T Standard and Optional Equipment

## Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|---|---|---|
| **UNDERCARRIAGE** | | |
| Gauge arrangements – Standard or LGP | ✓ | |
| Rollers and idlers, lifetime lubricated | ✓ | |
| Sprocket rim segments, replaceable | ✓ | |
| Suspension-type undercarriage | ✓ | |
| 8-roller tubular track roller frame (carrier roller ready) | ✓ | |
| Track adjusters, hydraulic | ✓ | |
| Track guide | ✓ | |
| Two-piece master links | ✓ | |
| Positive Pin Retention (PPR) undercarriage – 44 section track, sealed and lubricated, single grouser shoes | ✓ | |
| 610 mm (24 in) PPR moderate service shoes* | ✓ | |
| PPR undercarriage, suspended, guarded | | ✓ |
| PPR undercarriage, arctic | | ✓ |
| Heavy Duty, Extended Life (HDXL) undercarriage – 44 section track, sealed and lubricated, single grouser shoes | | ✓ |
| HDXL undercarriage, suspended | | ✓ |
| HDXL undercarriage, suspended, guarded | | ✓ |
| HDXL undercarriage, arctic | | ✓ |
| Carrier rollers, suspended | | ✓ |
| Carrier rollers, suspended – arctic | | ✓ |
| Carrier rollers, none | | ✓ |
| Final drives, standard or LGP | ✓ | |
| Final drives, standard or LGP, guarded | | ✓ |
| Final drives, standard, arctic | | ✓ |

*For optional track shoe offerings, please refer to chart on page 4.

| | Standard | Optional |
|---|---|---|
| **HYDRAULICS** | | |
| Dozer tilt hydraulics – dual tilt | | ✓ |
| Dozer tilt hydraulics – single tilt | ✓ | |
| Electronically enabled quick drop valve | ✓ | |
| Hydraulics, electronically controlled, load-sensing dozer lift and tilt | ✓ | |
| Hydraulics, electronically controlled, load-sensing rear hydraulics, ripper or winch ready | ✓ | |
| Hydraulics, independent steering and work tool pumps | ✓ | |
| Hydraulics, ripper | | ✓ |
| Hydraulics, winch | | ✓ |
| **ELECTRICAL** | | |
| Alarm, back-up | ✓ | |
| Converter, 24V to 12V | ✓ | |
| Diagnostic connector | ✓ | |
| Ground level service center with hour meter | ✓ | |
| Horn, forward warning | ✓ | |
| Light, warning strobe | | ✓ |
| Light, warning strobe mount | | ✓ |
| Lights – premium light package | | ✓ |
| Lights – six-light package | ✓ | |
| **BULLDOZERS** *(see chart for available blade options)* | | |
| 8SU/U – basic, guarded or dual tilt guarded | | ✓ |
| 8SU LGP – basic | | ✓ |
| 8 LGP – single tilt guarded or dual tilt guarded | | ✓ |
| 8A | | ✓ |

*(continued on next page)*

## Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|---|---|---|
| **PUSH ARMS** | | |
| Single tilt, standard | ✓ | |
| Single tilt, extreme | | ✓ |
| Dual tilt, standard or extreme | | ✓ |
| **BOTTOM GUARDS** | | |
| Hinged | ✓ | |
| Powered | | ✓ |
| Heavy duty, sealed | | ✓ |
| Wood chip | | ✓ |
| Bottom guards with front counterweight | | ✓ |
| **REAR ATTACHMENTS** | | |
| Ripper – single-shank | | ✓ |
| Ripper – single-shank with pin puller | | ✓ |
| Ripper – single-shank with striker bar | | ✓ |
| Ripper – single-shank with pin puller and striker bar | | ✓ |
| Ripper – multi-shank | | ✓ |
| Ripper – multi-shank with striker bar | | ✓ |
| Counterweight, rear | | ✓ |
| Drawbar, rigid | | ✓ |
| Rear striker bar | | ✓ |
| Winch, PA140VS, variable speed | | ✓ |
| Winch, W12E PTO | | ✓ |
| **STARTERS, BATTERIES, AND ALTERNATORS** | | |
| Batteries – Heavy Duty | ✓ | |
| Batteries – Arctic | | ✓ |
| Alternators – 150 Amp | ✓ | |
| Alternators – 150 Amp, ducted | | ✓ |
| Starting aids – engine heaters | | ✓ |
| Heater, engine coolant (120V) | | ✓ |

| | Standard | Optional |
|---|---|---|
| **FLUIDS, LUBRICANTS, COOLANTS** | | |
| Engine coolant, standard –37°C (–35°F) | ✓ | |
| Engine coolant, arctic –51° C (–60° F) | | ✓ |
| **OTHER STANDARD EQUIPMENT** | | |
| Equalizer bar, pinned | ✓ | |
| Front pull device | ✓ | |
| HVAC box – corrosive resistant | ✓ | |
| Mounting, lift cylinders | ✓ | |
| Oil cooler, hydraulic | ✓ | |
| Product Link | ✓ | |
| S·O·S℠ sampling ports | ✓ | |
| Steering, electronically controlled power differential | ✓ | |
| Vandalism protection for fluid compartments | ✓ | |
| Engine compartment service light | ✓ | |
| **GUARDS** | | |
| Guard, fan debris | | ✓ |
| Guard, fast fuel | | ✓ |
| Guard, fuel tank | | ✓ |
| Guard, grill debris | | ✓ |
| Rear screen | | ✓ |
| Striker bars, front, suspended | | ✓ |
| Sweeps group | | ✓ |
| **OTHER ATTACHMENTS** | | |
| Black paint, blade | | ✓ |
| Grab handles, push arm | | ✓ |