

# 1150C Loader

## 105 (76 kW) SAE net hp

Six cylinder, 451 in<sup>3</sup> (7392 cm<sup>3</sup>) Case diesel with matched single stage torque converter.

## Powershift transmission

Case 4-speed full powershift transmission is modulated between forward and reverse — delivers independent speed and direction control to each track. Turn with power on both tracks or counter-rotate within the length of the tractor.

## Choice of buckets

A 1.75 yd<sup>3</sup> (1.33 m<sup>3</sup>) general purpose bucket is available. Or the 1150C can be equipped with a 1.75 yd<sup>3</sup> (1.33 m<sup>3</sup>) 4-in-1® multi-purpose bucket that loads, scrapes, dozes, clams, and bottom dumps.

## 62" (1574 mm) gauge, 86.7" (2202 mm) track on the ground

for traction and stability. Heavy undercarriage with hydraulic track adjusters. Massive integral main and engine frame absorbs shock and stress, maintains undercarriage alignment. Sealed track, permanently lubricated rollers and idlers resist abrasives for long undercarriage life, low maintenance.

## Metered hydraulics

Open center with parallel circuit design maintains constant flow throughout the hydraulic system. Provides the "feathering" characteristics needed for precise bucket control. Hydraulic regeneration reduces the chance for cavitation and

hydraulic lag. Bucket functions are controlled by a single, low-effort lever. Optional 4-in-1 bucket is controlled by two levers.

## Case components

All major components — diesel engine, full powershift transmission, undercarriage, hydraulic cylinders and buckets are designed and manufactured by Case.



# Main frame, power train and undercarriage

## 105 (76 kW) net hp Case diesel

451 in<sup>3</sup> (7392 cm<sup>3</sup>) displacement, 6-cylinder diesel with open chamber design and direct injection for high air-to-fuel ratio and thorough combustion. Ample power at high altitudes with an optional altitude compensating turbocharger. Heavy ribbed block and seven main bearings support the torsionally dampened crankshaft. Positive pressure oil lubrication of internal parts with full flow filtering and internal cooling.

## Single stage torque converter

13" (330 mm) diameter, 2.92:1 ratio automatically multiplies engine output to meet the load. Absorbs shock loads to protect drive train components.

## Transmission and final drives

Case 4-speed powershift with modulation shifts quickly and smoothly through all four speeds, forward and reverse, on-the-go. Delivers independent speed and directional control to each track. Single reduction final drives with one-piece line bored case.

## Integral main and engine frame

Thick wall design provides torsional strength to resist twisting loads, high-strength low-alloy steel for toughness. Integral frame maintains track frame and power train alignment.

## Componentized design simplifies servicing

Engine, torque converter, transmission

can be removed individually for servicing. Gets the loader back to work fast.

## Heavy undercarriage

Reinforced box-section track roller frames support the 1150C. Heavy duty track chains stand up to shock and wear. 62" (1574 mm) track gauge and 86.7" (2202 mm) of track on the ground provide excellent side and fore-aft stability. Full length belly pans protect the underside of the tractor.

## Sealed track and rollers

Sealed tracks resist dirt and abrasives, add to track life. Track rollers, carrier rollers and idlers are permanently lubricated.



# Operator convenience and servicing ease

## Operator convenience

Roomy, comfortable walk-through compartment. Comfortable seat adjusts up, down, fore and aft to suit operator. Easy-to-read color-coded international symbol gauges. Transmission controls are conveniently grouped within easy reach of the left hand. Right hand is free to control the bucket. Uncluttered sloping hood provides excellent visibility of work site and bucket.

## Fast, easy servicing

Service points are easily accessible so they can be checked quickly to put your loader on the job fast.

Engine oil and coolant levels as well as the dry-type air cleaner can be checked in minutes from the top of the hood. An instrument panel indicator shows when air cleaner needs servicing.

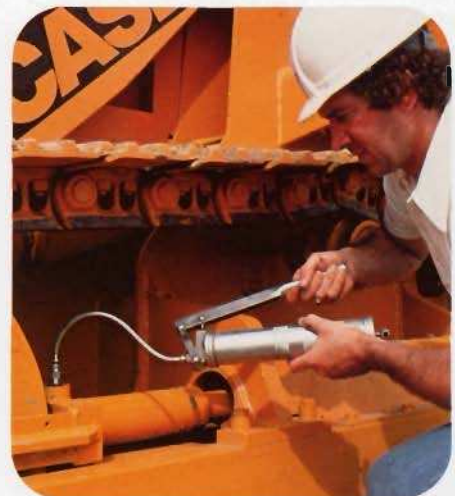
Tractor fuel and hydraulic oil fillers are located behind the operator. A sight level gauge on the hydraulic tank shows oil level at a glance. A fuel gauge indicates fuel level.

Batteries and tool box are located behind the operator's seat and can be easily reached through an access door.

Hydraulic track adjustment makes it simple to keep proper operating track tension.

## Anti-vandalism protection

Master disconnect key switch is standard. Optional lockup kit provides locks for oil dipstick, air cleaner and radiator cap access panels; hydraulic oil and diesel fuel caps, engine side panels and the instrument panel cover.



# 1150C maneuverability

## Turn with power on both tracks

Shift one track to high, the other to low, both tracks keep driving as the 1150C turns into the slower track. Minimizes ground disturbance during loading cycles.

## Counter-rotation

Simply shift one track to forward, the other to reverse and the 1150C rotates quickly into position to load trucks or head to the dump area. The counter-rotation capability provides the added maneuverability needed to maintain high loader productivity.

## Brake-pivot turn

Two multi-disc power brakes, one for each track, are independently controlled with the left foot. Depressing either pedal neutralizes power to that track and then locks the

track for a pivot turn. Brakes are oil cooled and completely sealed.

## Controlled braking

The power transfer pedal, located between left and right brake pedals, applies both brakes simultaneously when fully depressed. As it is depressed, power to both tracks is gradually disengaged to slow the tractor while keeping the engine rpm for fast hydraulic response. This provides operators with the control needed to inch-up-close to trucks for accurate spotting of the load.

## Brake against power

An additional brake pedal provides braking against power without disengaging the transmission. Both the brakes and engine compression can be used to slow or stop the tractor.

## Ease of control

Transmission controls are conveniently grouped within easy reach of the left hand. Right hand is free to operate single-lever bucket control. Simplifies loader operation, helps reduce operator fatigue.





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# Attachments add to 1150C versatility

## 4-in-1 bucket

Versatile 4-in-1 bucket has 1.75 yd.<sup>3</sup> (1.33m<sup>3</sup>) capacity. Two lever control. Bucket can be used as a clam to lift awkward items like pipe and stumps. Moldboard can be used for light dozing work and contouring. Bottom dumping action enables the 1150C to load highsided trucks.

## Parallelogram ripper

Penetrates up to 17" (432 mm) with positive hydraulic down pressure. Two large-

diameter hydraulic cylinders act on the parallelogram design to give straight-line penetration and maintain a constant tip angle regardless of ripping depth. The three shanks can be removed and have replaceable wear tips.

## Powershift winch

Completely sealed, one-piece fabricated main frame with heat-treated alloy steel gears. Internally lubricated anti-friction bearings. Two power-in, power-out speeds.

Up to 50,000 lbf (222.4 kN) of line pull (breaking strength of 3/4" - 19 mm - cable). Free-spooling drum for efficient one-man operation. Clutch engagement and brake release are synchronized to provide "inching" of the winch drum. Logging arch and fairlead available to tailor the winch to your needs.

## J I Case

A Tenneco Company  
Construction Equipment Division  
700 State Street Racine, WI 53404 U.S.A.



Courtesy of Machine Market