

CASE
CONSTRUCTION

BACKHOE LOADER

N SERIES - BRAZIL





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PROVEN PERFORMANCE

The **CASE N Series backhoe loader** is a brave machine. Completely redesigned, **the 580N** provides greater breakout force of the backhoe, an increase in maximum load discharge capacity/height and the best visibility in the segment.

UNMATCHED PRODUCTIVITY

The design of the loader arm provides higher productivity. The N Series loader offers **greater disintegration force** and lifting capacity at maximum height. The maximum dumping height has also been improved, making it easier to dump the material in the center of the trucks. The Pro Control system of backhoe swing damping has been adopted as standard equipment for the **580N**.

KINEMATIC OF THE LOADER

It is performed with two inverted parallel cylinders. Thus, the rods of the cylinders stay retracted when the machine is positioned for digging (exclusivity CASE), providing a greater lifetime and lesser risk of warping and leaks in the cylinders. And ensuring a better force distribution and visibility. In the closing motion of the bucket, the cylinders are expanding, offering more force where it is needed most and greater digging force.

EASY MAINTENANCE

CASE machines are famous for ease of daily maintenance in the field. Radiators that can be opened for easy access. Both axles, with **externally mounted, oil-** bathed disc brakes, can be serviced without need for complete disassembly. In addition to this, there is a **hinged hood, there are reinforced pins, threaded filters and grouped level indicators** to provide time savings during regular maintenance.

SUPERIOR COMFORT AND VISIBILITY

During the day and also at night, the **cab** will keep operators more productive. Windows from floor to ceiling provide **superior visibility**. The rear side windows allow easy communication with the rear section of the machine and provide ventilation for comfort. A **high intensity lighting package** allows for better visibility and overlapping area coverage. **The side lamps are easily adjustable** and offer a 45-degree rotation angle to provide illumination where it is needed.

IMPROVEMENTS IN THE HYDRAULIC SYSTEM



The **CASE N Series** is equipped with a fully synchronized. **The 580N** is able to travel at speeds up to 42.8 km/h – and its **negative angle** of boom retraction makes for a smoother ride. **The 580N** continues to offer the reliable open center hydraulic system with a gear pump. **The 580N** has a high capacity hydraulic flow. In addition, the hoses are installed within the boom structure of the backhoe for better protection in severe applications such as demolition work. The efficient hydraulic system helps to **reduce consumption** of fuel – **a reference in the segment**.

SIDE LIGHTING IMPROVES SAFETY AND PRODUCTIVITY

CASE is adding value to its leadership in product innovation through a new high intensity lighting solution that **illuminates the entire perimeter of the N Series backhoe loader**. This means that all of the lateral movements of the backhoe – and much more – are illuminated. In addition, the side lamps can be adjusted to illuminate the front of the machine in order to improve night working conditions for the loader. Apart from giving the operator a better sense of control, this also provides an **increase in productivity at all times**, during the day and at night.



REAR WINDOWS WITH AN OPENING MECHANISM

N Series cabs have rear side windows with an opening angle of 180 degrees that can be locked for **cross ventilation and excellent communication**. The window is equipped with a wide handle for easy opening and closing. The rear window has three sections that allow multiple positioning configurations for varying environmental conditions.



NEW SEATS WITH PNEUMATIC SUSPENSION

Apart from seats with mechanical suspension, **new seats with optional pneumatic suspension** and electric seat height adjustment are available.



PILOT CONTROL

CASE understands that different operators adapt better to different types of control. This is why the 580N offers the option of piloted backhoe controls with two joysticks. Thanks to Pilot Control, the backhoe operator works with the same **level of comfort** as a hydraulic machine.



PRO CONTROL

The 580N comes with **the exclusive swing dampening system** called Pro Control, as **standard equipment**. Designed to eliminate oscillations, it makes the operator's job more precise and more pleasant.



LOADER ARMS

N Series machines are equipped with longer arms for the loader, providing excellent **discharge height** and **longer reach**. This allows the operators to unload materials in the center of the trucks, making loading faster and increasing the cargo volume.



NEW HEAVY-DUTY FRONT AXLE – OPTIONAL

The new 4x4 HD front axle adds robustness to the 580N, and it comes equipped with 12.5/80x18 tires, that increase **ground clearance and discharge height**.



FIELD MAINTENANCE

The N Series backhoe loader offers the CASE trademark field maintenance which includes grouped maintenance points and level indicators with displays for easy daily monitoring.



NEW OPTIONAL 4 IN 1 BUCKET

The new 4 in 1 bucket adds **versatility** to the 580N, making it possible to do even more different types of work with the same machine. Using the **4 in 1 bucket**, the operator will be able to laminate, load, grab, level, excavate, and spread material.



SERVICE AND PARKING BRAKES

The brake system was designed to deliver **great braking capacity** for safe operation. N Series machines are equipped with **modern SAHR** type parking brakes, applied by spring and hydraulically released, activated by means of a button.



NEW OPTIONAL RIDE CONTROL

The new optional Ride Control acts on the loader arm cylinders, providing **load damping**. Increases **stability** during material transport on uneven surfaces, allowing for greater speed and contributing to **safety and comfort of operation**.



360-DEGREE EXTERNAL ILLUMINATION

Series N machines are equipped with external illumination, including adjustable lateral lighting which, combined with front and rear lighting, provides a **360-degree illumination** of the workplace, considerably improving safety and productivity at night. Standard Item for closed cab and optional for canvas hood.



MODERN CAB

A REFERENCE IN COMFORT,
VISIBILITY, OPERATIONAL FACILITY,
AND ERGONOMICS



Comfort and safety features of the N Series backhoe loader **increase the productivity** of the operator. Windows from floor to ceiling provide superior visibility. The rear side windows allow easy communication with the rear section of the machine and provide ventilation for comfort.

The 580N is equipped with a **comfortable, adjustable seat**, and **ergonomically positioned controls**, together with an air conditioning system for operator comfort in any climate. N Series cabs are among the **most silent on the market, too** – 77.7 dBA –, providing an environment where the operator will be able to concentrate on the task at hand.

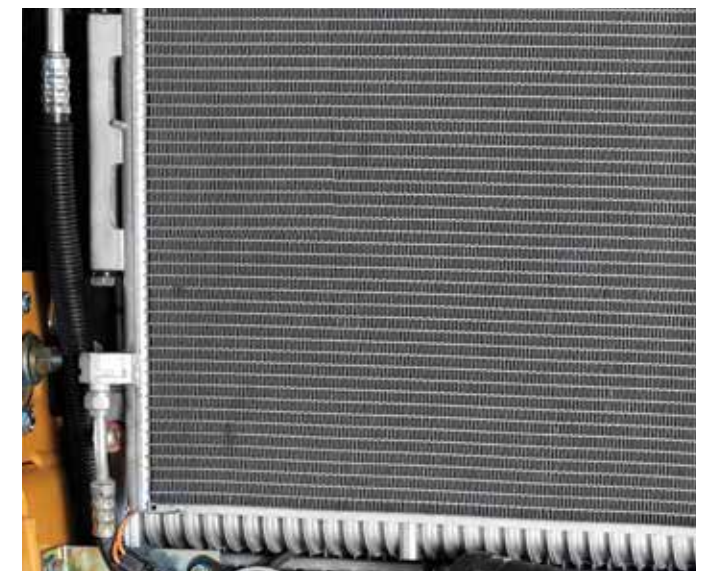
With the new **pilot control** option for the backhoe loader (Pilot Control), armrests and wrist positioners, along with a footrest, any operator will feel **perfectly in control** and relaxed when operating the 580N. With the exclusive boom swing damping system - Pro Control - productivity comes naturally on the N Series backhoe loader.

EASY MAINTENANCE AND REPAIR

CASE is aware that the easier the routine maintenance is, the greater the chances of that maintenance being actually carried out. A **CASE** trademark for equipment design is easy access in the field to daily maintenance points.

The **580N** offers radiators that open for easy access. It is possible **to carry out repairs on the machine axles** – equipped with oil-bathed, externally mounted disc brakes, – without complete disassembly. A hinged hood, threaded filters and grouped level indicators will save time during routine maintenance.

CASE also incorporated components to eliminate the need for repairs, such as an automatic belt tensioner. Adding all the maintenance and repair advantages of the **CASE N Series** will result in a backhoe loader to be productive for years on the construction site.



580N ONLY LOADER VERSION

CASE presents the 580N Only loader version, a new product already born with a tradition. A compact loader, produced in Brazil, derived from backhoe loader that has been leading the market.

Compact dimensions and a narrow turning radius provide excellent maneuverability for agile work, even in locations where space is at a premium.

High productivity is achieved due to the large capacity of the front bucket, high travel speed and great breakout force and lift capacity.

With its efficient design, simple maintenance, and low fuel consumption of its engine, the 580N Only loader Version is a perfect option. Low cost of acquisition, operation, and maintenance - combined with high productivity - guarantees an excellent cost-benefit ratio.

Offered with an open cab or a closed cab with air conditioning, the 580N Only Loader Version comes with important standard items, such as the rear axle differential lock (Diff Lock), transmission disengagement (De-Clutch), loader control by a single lever with automatic return to excavation and bucket self-leveling.

An extensive list of optional equipment allows this machine to be configured as the correct equipment for the most varied segments:

- FPT engine
- 4x4 HD front axle
- Ride Control (cargo damping)
- 4 in 1 bucket
- Different size buckets with teeth or with a cutting blade





SUPPORT COMES STANDARD.

CASE Care is a unique program covering a range of services, from preventive and corrective maintenance of your machine to fleet management via satellite. The program offers free online training to operators for the entire CASE line. Case understands the importance of greater availability of your equipment and offers SystemGard®, the fluid monitoring program for your equipment. Visit www.casece.com/latam/en-la/ to learn about the different services that CASE Care offers for your machine.



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