



TERRA



CAT

Caterpillar Next Generation Wheel Loaders NZ Launch Quarry NZ Conference 2023

Dick Mars – Product Application Specialist – Wheel Loaders









Next Generation CAT Wheel Loaders – Loader Evolution



H Series (2010)	
K Series (2011)	↓ 25% More Efficient 18% Less Co2
M Series (2014)	↓ 17% More Efficient 32% Less Co2
Nex Gen & XE	↓ 35% More Efficient 45% Less Co2

Next Generation CAT Wheel Loaders – Model Line Up

Loaders suited to your Application

	5T	6T	7T	8-9T	9-10T	11T
GC <i>Simple & Capable</i>						
Performance <i>Smart & Productive</i>						
XE <i>Highest Lifecycle Return</i>						

Next Generation CAT Wheel Loaders – Field Follow Program

17 x Loaders 32,000hrs of Global Field Testing How long ?

North America

962 S5 (MT200161 - CBL)

Milton Cat – EL Vining
Quarry (Crusher & Truck
Loading)

950 S5 (TN200151 - CBL)

Ohio Cat – Rumpke Waste
Waste Handling

962 S5 (MT200162 - CBL)

Carolina Cat – Edwards Wood
Forestry (4V forks)

950 S5 (TN200152 - CBL)

Ring Power – Hughes Bros
Construction

950 S5 (WL700151 - NLR)

PPG

962 T3 (WLJ00161 - NLR)

PPG

950 S5 (TN200153 - CBL)

Service

South America

962 T3 (LN600181 - CBL)

Ferreyros – Viovir GC
Quarry – Altitude (4500+

950 T3 (RM700171 - CBL)

PESA - Pedras Itajaí Ltda
Sand/Gravel

Europe

962 S5 (ZD800162 - CSCL)

Zeppelin – COLAS
Roading Homologation

950 S5 (WF800131 - CSCL)

CGT –
Roading Homologation

962 S5 (ZD800161 - CSCL)

BMF – Andre Simon
Hopper Charging
Roading Homologation

Seventeen Pilots

- Worldwide field-follow
- Certification
- Endurance

Asia

950 S5 (WL800131 - CSCL)

MLIT Certification

962 S5 (WLX00141 - CSCL)

MLIT Certification

Middle East

950 T3 (CM200171 - CSCL)

Al-Bahar –

950 T3 (CM200172 - CSCL)

Al-Bahar –

Australia

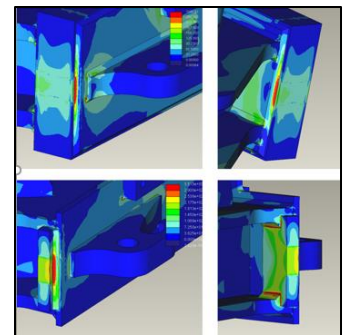
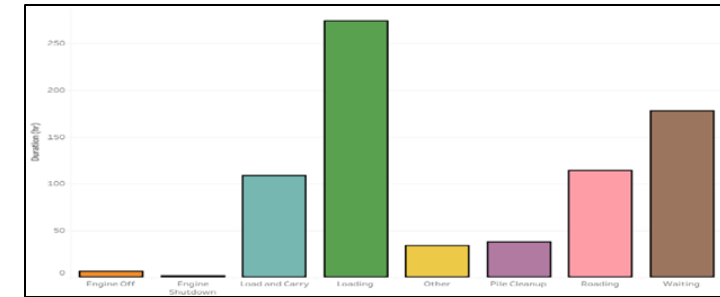
950 T3 (WL600191 - CSCL)

Cavpower - Viterra
Agriculture

950/962 Next Generation CAT Wheel Loaders

Designs Driven by Real World Application data

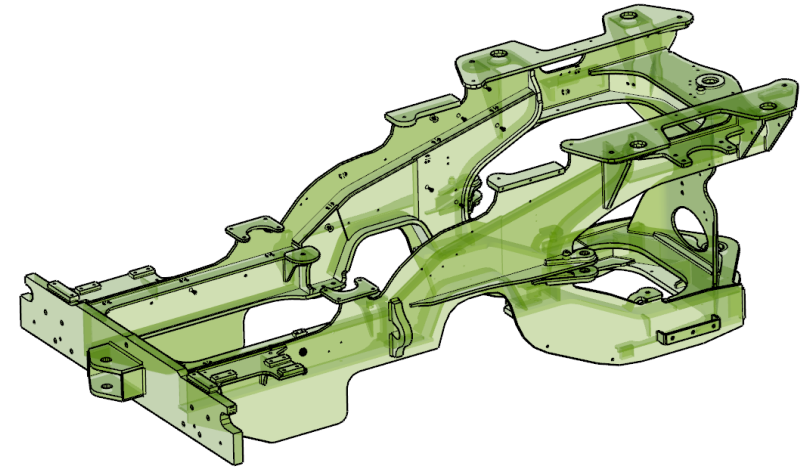
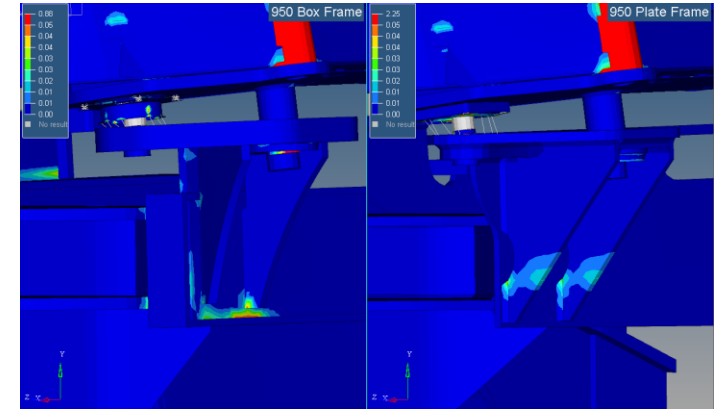
- **Changes in Front and rear Frames and lift Arms**
 - **Over 40,000 of analysed field data**
- **Analysis and test cycles based on real world applications**
 - **Actual customer cycle segmentation analysis**
 - **How long do they spend in those applications**
 - **What load factors are applied while in these applications**



950/962 Next Generation CAT Wheel Loaders

Advance Analysis and Design Methods driving design changes

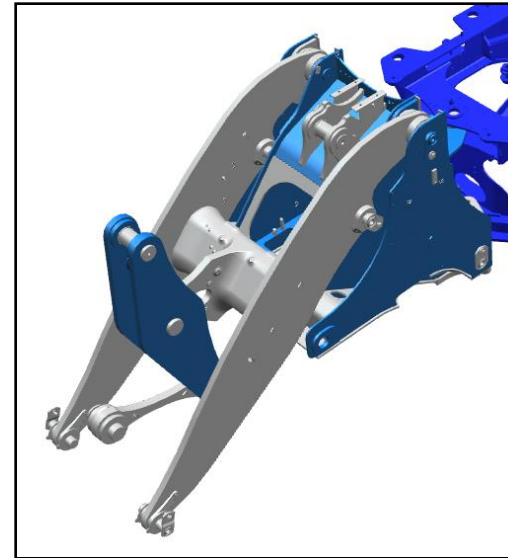
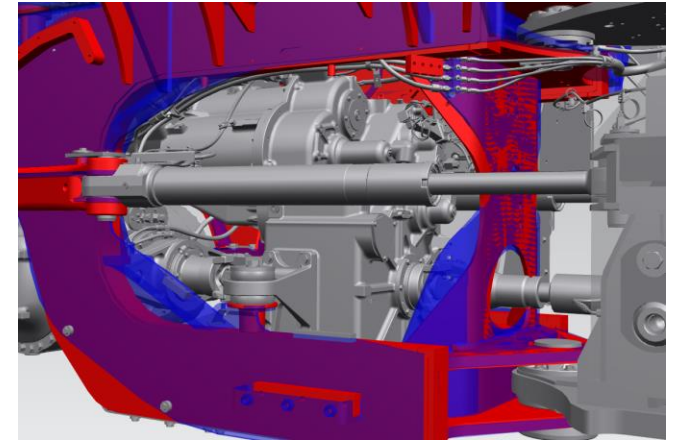
- **Structural optimisation ensures a more durable design**
 - Proprietary analysis software
 - Improved Cab mounting
- **New Frame Structure for increased configurations**
 - New Engine End Frame
 - New Non-Engine end Frame



950/962 Next Generation CAT Wheel Loaders

Advance Analysis and Design Methods driving design changes

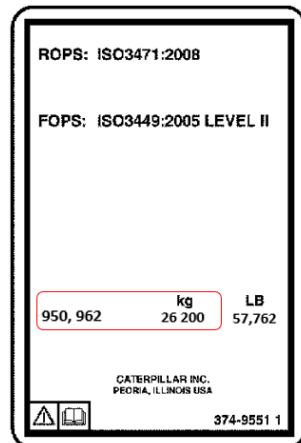
- **Structural optimisation ensures a more durable design**
 - **New Rear Frame Structure**
 - **Weight Reduction through new materials**
- **Optimised Front Frame**
 - **New hydro cut plates**
 - **New materials**
 - **Larger weld sizes**



950/962 Next Generation CAT Wheel Loaders

Advance Analysis and Design Methods driving design changes

- **Higher Operating weight and increased ROPS certification ensures greater Machine stability**
 - Improved Braking capability
 - Improved structures
 - New Powertrain Torque Strategy
- **Increased Max Saleable Mass**
 - Increased heavy attachments capability





STANDARD	Cat [®] Advanced Payload with Assist
Hardware	ALL STANDARD Factory Technology Features ALL OPTIONAL Factory Technology Features CAT DETECT Dedicated Multiview Rear Object Detection Dispatch and LFT ready
Features	Higher Accuracy Weighing Seat Belt monitoring 360°Machine Display Auto Tip Off and split Truck mode Advanced list Management and Multitasking Improved decimal accuracy w/ Custom lists Audible alarm capable
User Interface	Dedicated Payload Touchscreen Implement Pod Keypad Buttons Front Dash (Bucket/Truck/Target Display)

Advanced Payload - E ticket option

Optional E Ticket functionality included in Advanced Cat Payload


- **Cat Payload can be configured with E tickets**
 - **Can be Entirely Configured**
 - **Improved Invoicing**
 - **Increased Traceability**

CAT WINCHESTER INDUSTRIES
Telegraph Road, Camanah WA 6517
08 9951 1135

Ticket ID: 23-06-21-05-31-16-06561 Ticket Number: 06561

30.27 t
Total Payload

Truck ID	0
Truck Store Time	Jun 21, 2023; 01:31PM
Material	roadbase
Custom	
Total Passes	5



Pass (#)	Payload (t)
1	7.36
2	9.11
3	8.1
4	5.7
5	0


Not legal for trade

CAT

Ticket ID: 23-06-20-02-13-27 Ticket Number: *****

38.48 t
Total Payload

Truck ID	0
Truck Store Time	Jun 20, 2023; 12:13PM
Material	SAND
Custom	
Total Passes	6



Pass (#)	Payload (t)
1	7.99
2	6.87
3	7.59
4	7.03
5	8.01
6	0.97

950/962 Next Generation CAT Wheel Loaders

Improved Technologies - Advanced Payload update

- **Enhanced Payload 3.0**

- Improved Operator ID short cuts
- Audible weigh indicator
- Display precision
- New Target weight shortcuts
- New split mode
- Operator Printer ticket configuration
- Save to USB capability
- UI improvements – improved font size and selection

- **Enhanced Technologies**

- New Deceleration Pedal logic for smoother neutraliser
- New ON monitored Seat Belt



950 / 962 Next Generation CAT Wheel Loaders – @ Terra Stand

Find out more @ Terra CAT's Stand & @ 962 Next Gen Loader on Display



- **Operator ID**
- **New CAT Payload**
- **CAT Advanced Payload 3.0**
- **Assist Features**
 - **Tip Off**
 - **Auto Set Tyres**
 - **Auto Dig**
- **Application Profiles**
- **Job Aids**
- **Dispatch for Loading**
- **Legal For Trade Ready**



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