ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

W130C
W170C
Tier4B
Wheel Loader

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NEW HOLLAND CONSTRUCTION

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Right-hand side controls

Overview

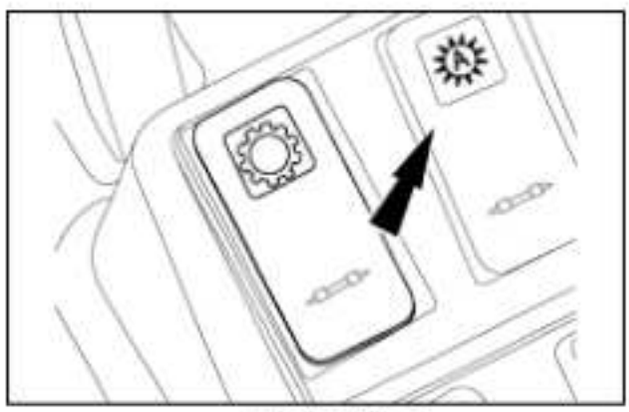
A number of controls and switches are placed on the right side of the operator for ease of use. Control levers, the side console housing the machine operation switches, and the climate control functions are located on the right side of the machine in the operator's compartment.

The configurations on the right side of the operator's compartment in your machine may very slightly in appearance from those represented in this manual, though all switch symbols and switch function remain the same.

Control levers can vary as well depending on options selected. The different spool valves and control levers are explained on the following pages.

Automatic shift mode

When the transmission is in the automatic mode, the transmission will start out in first gear or second gear (dependent upon gear minimum setting), and automatically up-shift until the gear selected has been reached. The transmission will also down-shift automatically as the speed decreases.



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Down-shift button automatic mode

The down-shift button is used to shift down through the gears in single steps. Each time the switch is pressed, the transmission will shift down one gear range until first gear is reached. Once the down-shift button has been pressed down, the transmission maximum gear allowed is lowered. It will return to the automatic mode when (1) the transmission control lever gear changes, or (2) the transmission control lever is moved to NEUTRAL and then to FORWARD or to REVERSE. When the Automatic Mode has been chosen by the operator, the Automatic Mode indicator will be shown in the multi-function display.



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Manual downshift

Manual shifting can be used to down shift in a first to second pattern. First and second gear are the only shift pattern available in the manual downshift mode.

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Every 500 hours

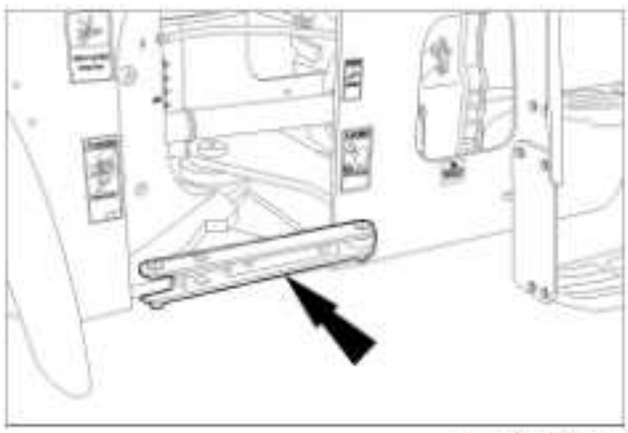
Engine oil and filter

Change the engine oil and filter when the hour meter registers 100 hours for a new machine during the initial run-in period. The engine oil and filter should be changed every 500 hours thereafter or more frequently when the engine operating conditions are severe.

Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground.

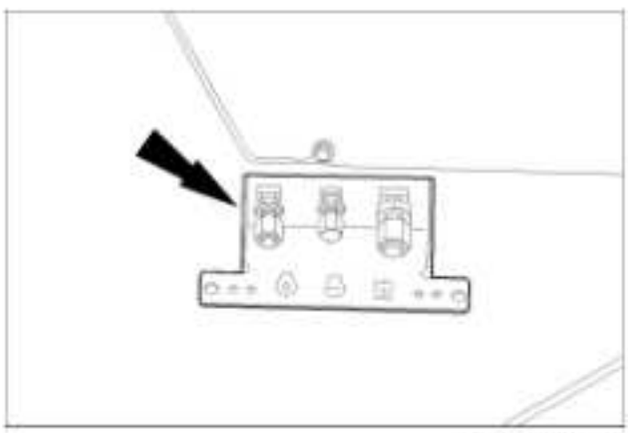
Service specifications	
Type of oil	**NEW HOLLAND AMBRA UNITEK MASTERGOLD SBL CJ-4**
W130C Capacity (with filter change)	**13.25 L (14 US qt)**
W170C Capacity (with filter change)	**13.25 L (14 US qt)**

1. Lower bucket/attachment to the ground and install the transport/service link into the lock position.



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2. Attach the drain hose to the remote drain plug. Use a suitable container to collect the used oil. Drain the engine oil completely.



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Machine specifications and dimensions – W130C General specifications

The following specifications are common for all W130C model configurations:

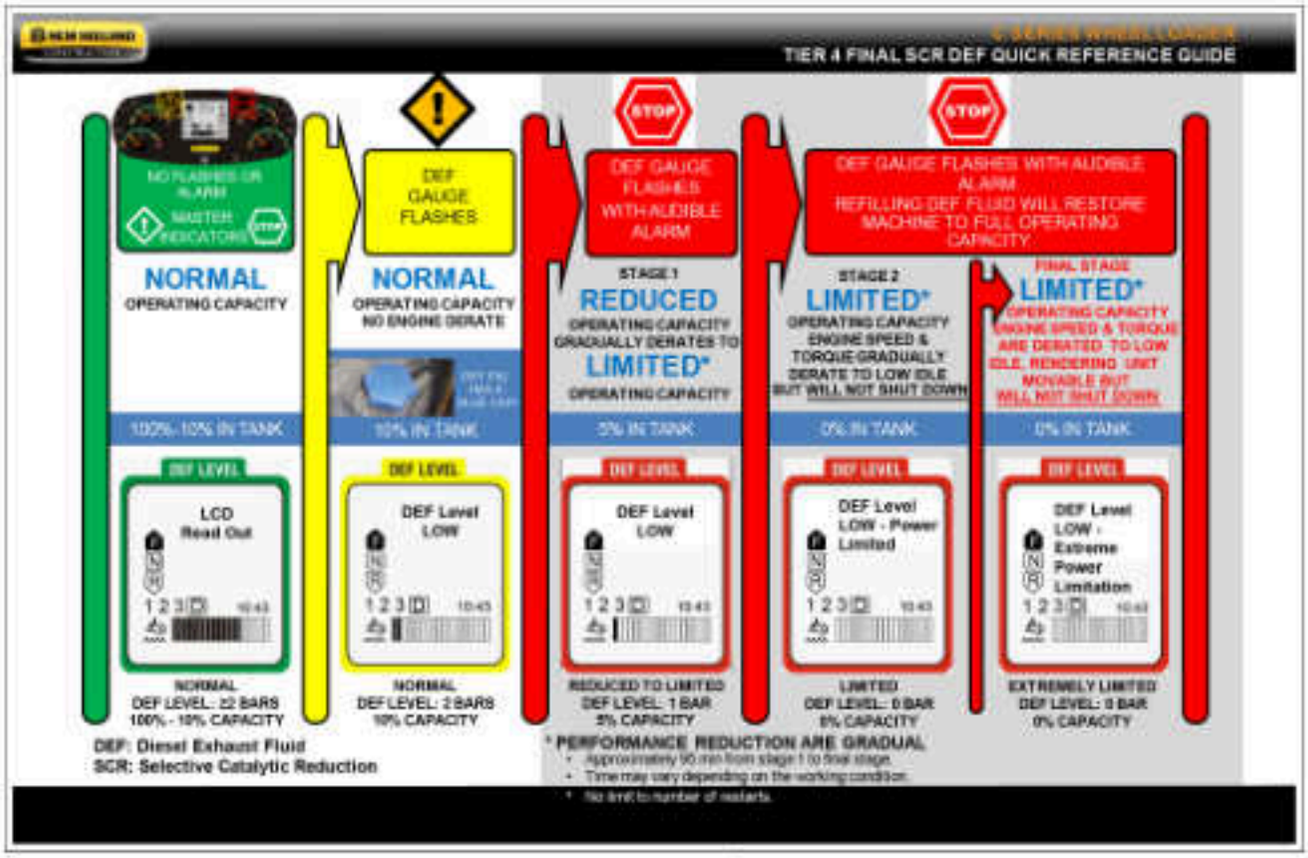
W130C Common Specifications

Feature	Specification
Overall height - Top of cab	**3395 mm (133.7 in)**
Rear axle oscillation total	**24 °**
Height to drawbar	**1081 mm (42.6 in)**
Vertical wheel travel (trunnion fully oscillated)	**506 mm (19.9 in)**

Loader Speeds	Z-Bar and LR	TC
Loaded raise (rollback @ ground)	**6.3 s**	**6.5 s**
Loaded dump (@ full height) (Z-Bar)	**1.2 s**	**2.4 s**
Empty power down	**4.4 s**	**4.2 s**
Empty float	**4.8 s**	**4.2 s**

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