# NEW HOLLAND

# TC40DA
# TC45DA

## OPERATOR'S MANUAL



**87304231** 8/04
(604.53.571.00)

NEW HOLLAND

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# AIRBORNE NOISE EMISSION

In accordance with E.E.C. directives, the noise levels of tractors covered by this manual and marketed within the European Economic Community are as follows:

## WITHOUT CAB

| Model | Drive line | Noise level at operator's ear - dB(A)* | External noise level - dB(A)** |
|---|---|---|---|
| TC40DA | 12 x 12 transmission | 89 | 78 |
| TC40DA | Hydrostatic transmission | 90 | 78 |
| TC45DA | 12 x 12 transmission | 90 | 77 |
| TC45DA | Hydrostatic transmission | 90 | 79 |

* Test results are in accordance with directive 77/311/EEC Annex I.

** Test results are in accordance with directive 74/151/EEC Annex VI 1.4.2, with tractor stationary.



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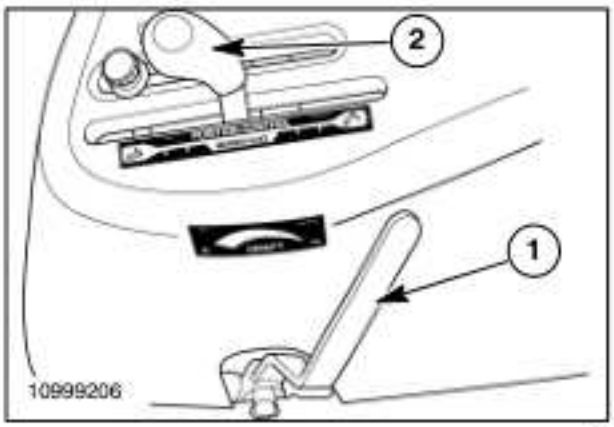


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## DRAFT CONTROL (OPTIONAL)

When operating in draft control, the draft control lever, 1, is used to adjust sensitivity to draft loads. Once the lever is positioned, the hydraulic lift system will automatically adjust the depth of the equipment to maintain an even load on the tractor as soil conditions vary. The hydraulic system senses draft changes through changes in upper link compression. The operation of the upper link draft sensing system is described in the following paragraph.

**Upper Link Compression Loads:** As the equipment is pulled through the soil, the draft caused by soil resistance tends to rotate link hitch points. This draft creates a pushing or compressive force on the upper link hitch points. This draft creates a pushing or compressive force on the upper link. When changes in soil resistance cause the draft to increase, the compression force on the upper link will also increase. These changes in upper link compression, signal the hydraulic system through internal linkage, to raise the equipment slightly to maintain uniform draft.




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**⚠ WARNING ⚠**

**Always lower the hydraulic lift and all other hydraulic equipment before stopping the tractor.**

New Holland tractors having the Hydraulic Draft Control option are equipped with two lever hydraulic lift control systems. The operation of each system is described below:

## TWO LEVER CONTROLS POSITION CONTROL OPERATION

The two lever control system is shown. Position control is obtained by placing the draft control lever, 1, all the way forward and then moving the outer (Position) control lever, 2, to position the equipment as desired. The outer (Position) lever is used to set the desired working height or depth.



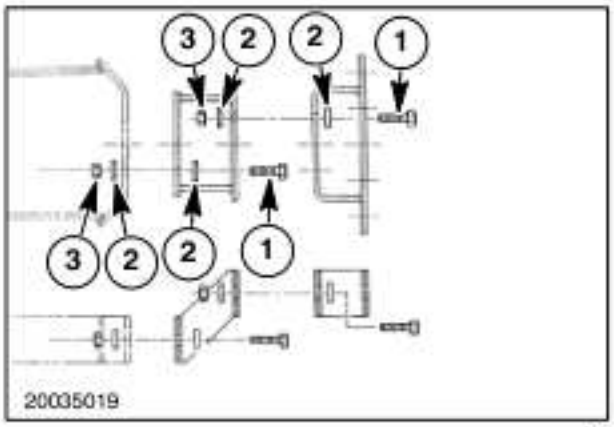
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**Front Weight Bracket Adapter**
**(Optional- Super Steer Axle™ Only)**

The adapter bracket is required to make the optional extension mounting bracket compatible with tractors equipped with the Super Steer™ front axle. The adapter shifts the mounting bracket forward and upward, to provide the necessary clearance between the front weights and the front tires. Consult your authorised dealer.

Super Steer Axle:
(3) 100 lb. weights
(2) 60 lb. weights on outside, for a maximum of 420 lbs.

***NOTE:*** *Front weight bracket extension is compatible with a front grill guard but not with a 17LA Loader installed.*




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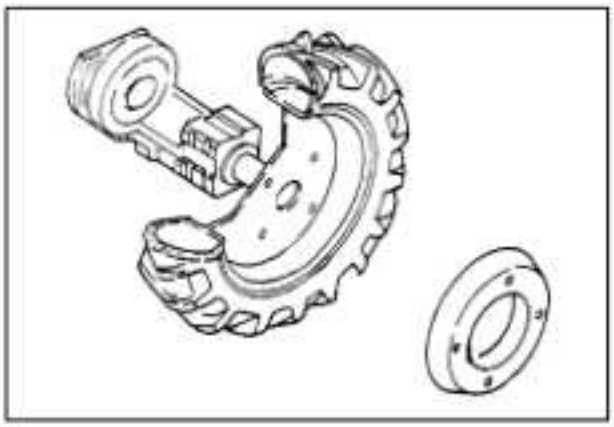
**Extension Bracket (Mounting Hardware)**

| Item | Qty. | Description |
|---|---|---|
| 1 | 3 | M16 x 50 Hex Head Bolt |
| 2 | 12 | M16 Flat Washer |
| 3 | 6 | M16 Nut |

**Rear Wheel Weights**

| Tyre Type | Weight(s) |
|---|---|
| Agricultural | Maximum of (2) weights per wheel @ 47.3 kg (105 lbs.) each- 189 kg (420 lbs.) total per wheel |
| Turf | Not Available |
| Industrial (R4) | Maximum of (2) weights per wheel @ 47.3 kg (105 lbs.) each- 189 kg (420 lbs.) total |

***NOTE:*** *Rear wheel weights can be used with liquid ballast.*



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# EVERY 100 HOURS

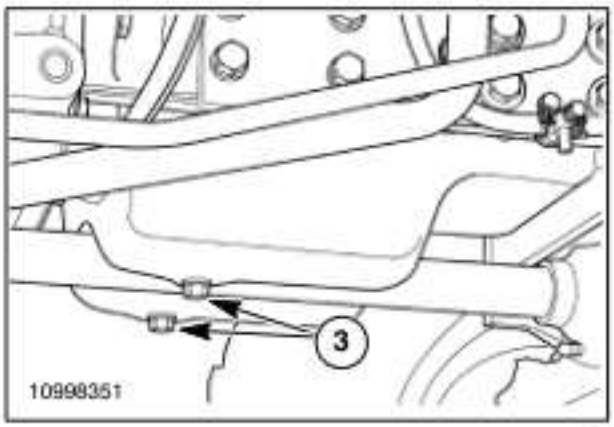
## OPERATION 15

### Changing the Engine Oil

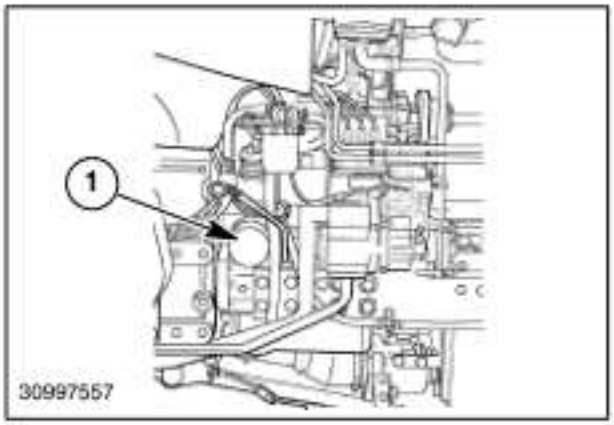
***NOTE:*** *Change the engine oil and filter after the first 50 hours of operation, then every 100 hours thereafter. If the tractor is operated for extended periods of time at maximum rated power and speed, or under other types of continuous, severe operating conditions, the engine oil and filter should be changed at 70 hour intervals following the initial oil change.*

To change the engine oil:

1. Place a suitable container beneath the drain opening to catch the used oil. With the tractor engine off but at normal operating temperature, remove the drain plug, 3. Reinstall the plug after all of the oil has been drained.
2. Next, place a container below the oil filter, 1, to catch the used oil and unscrew the oil filter. Discard the used oil and filter.
3. Coat the gasket on the new filter with a film of clean oil. Screw the filter into place until the gasket contacts its mating surface, then turn the filter approximately three-quarters of a turn by hand. Do not overtighten.
4. Add the proper type and level of new oil, then start the engine and check the filter for leaks.




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### Recommended Oils

| Ambient Temp (°F) | Recommended Oil |
|---|---|
| + 40 - 120° | SAE 30W |
| + 10 - 120° | SAE 15W-40 |
| -10 - 120° | SAE 10W-30 |
| -20 - 60° | SAE 5W-30 |
| ***NOTE:*** *Tractors are originally shipped with 10W-30 oil.* | |



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