OPERATOR'S MANUAL

WORKMASTER™ 45
WORKMASTER™ 55

Compact Tractor

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NEW HOLLAND AGRICULTURE

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FORWARD CONTROLS

Instrument panel

The instrument panel, comprises three gauges and seven colored lights, which provide operating information or give warning of system malfunction.

The instruments are illuminated when key start switch is turned on.

Left Turn Indicator

The blinking GREEN light **(1)** indicates the direction of turning to left hand side. Green light will flash in unison with tractor left hand turn signal.

Engine Oil Pressure

Illuminated light **(2)** in the middle indicates low engine oil. pressure. Stop the engine and investigate the cause.

Position Lights

With the key - start switch on a GREEN light **(3)** indicates that the position lights are on.

PTO Indicator Light

An amber light **(4)** will illuminate upon activation of the power take-off (PTO) system.

Air Cleaner Restriction Light

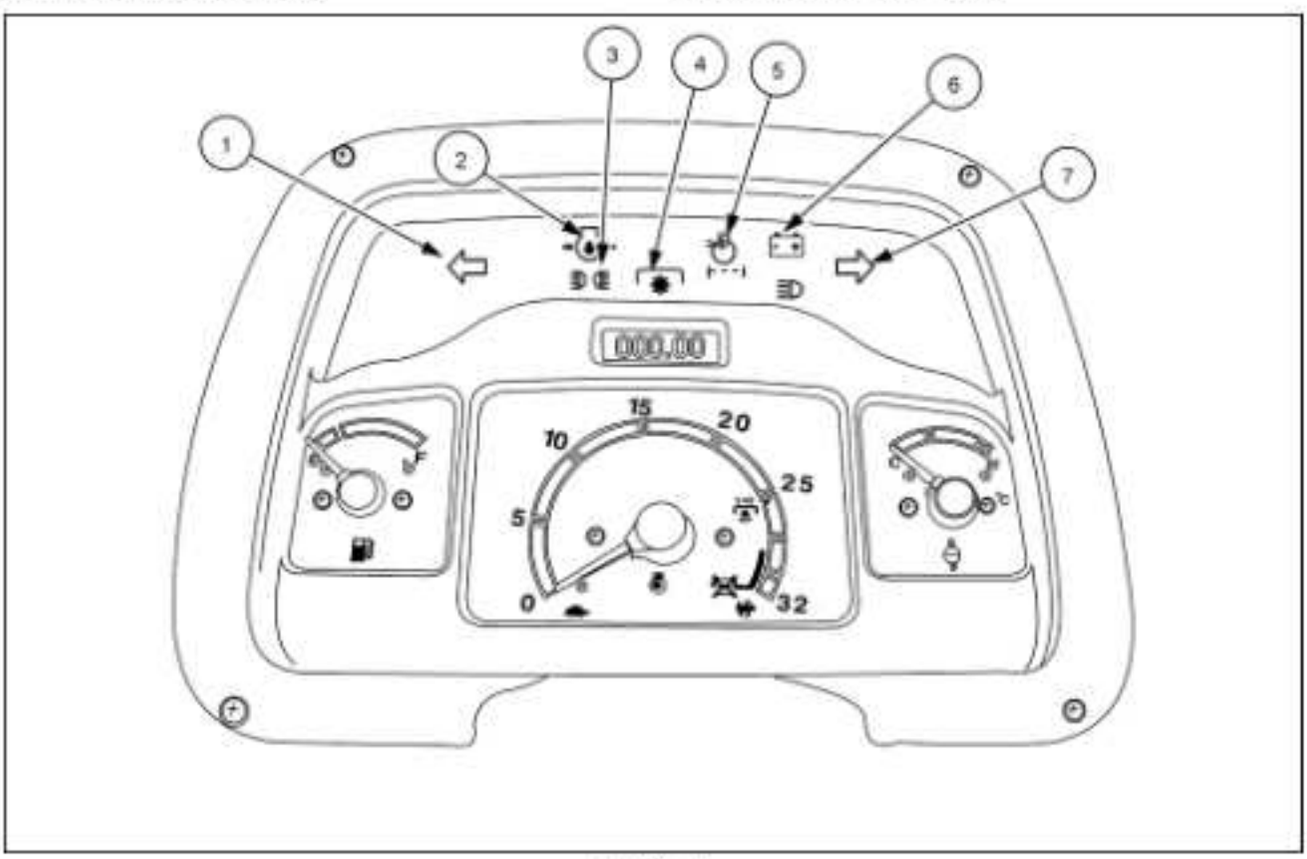
An orange colored light **(5)** which illuminates when an increase in vacuum occurs in the air admission system during engine operation, as detected by the switch in the air intake tube. This usually indicates a dirty or obstructed air filter.

Battery Charging Indicator

At the right top a battery symbol **(6)** is provided. Battery symbol glows when alternator is not charging the battery, In that case get the alternator checked.

Right Turn Indicator

The blinking GREEN light **(7)** indicates the direction of turning to right hand side. Light will flash in unison with tractor right hand turn signal.



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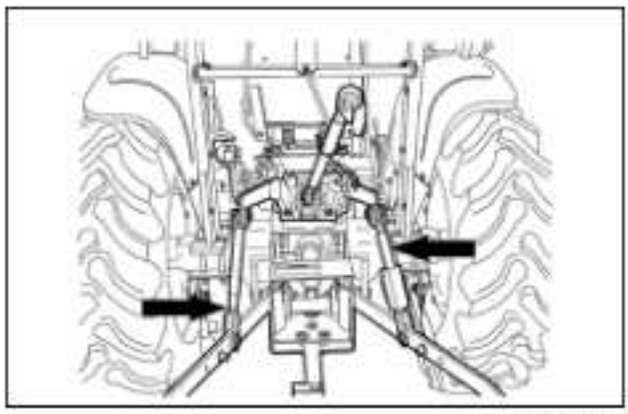
Lubrication points

Grease Fittings

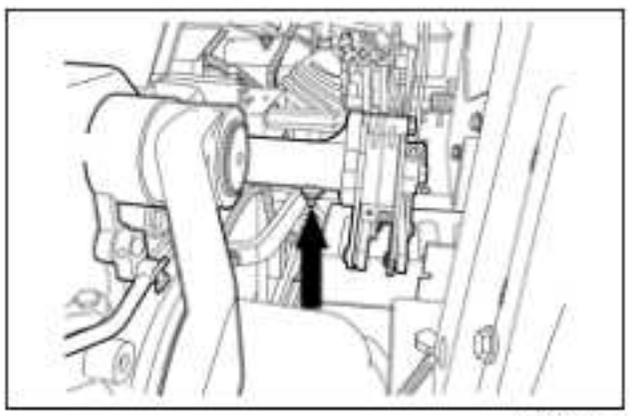
Apply grease with the help of a grease gun to the lubrication fittings, as shown in Figures 1 - 10.
Use only Genuine **NEW HOLLAND AMBRA GR-9 MULTI-PURPOSE GREASE** .

NOTICE: *Grease daily when operating in adverse conditions, but do not overgrease, damage to the seals may occur, where applicable.*

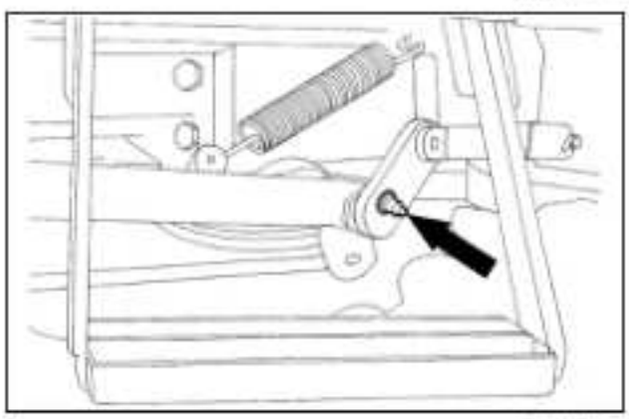
1. Hydraulic lift linkages



2. Hydraulic lift lever shaft



3. Clutch pedal shaft



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9 - SPECIFICATIONS

General specifications

	WORKMASTER 45	WORKMASTER 55
ENGINE		
Type/Model	Diesel/N844L	Diesel/N844LT
Emission Level	Tier 3	Tier 3
Engine Net Horsepower	**33 kW (45 Hp)**	**41 kW (55 Hp)**
PTO Horsepower	**29 kW (39 Hp)**	**35.5 kW (47.6 Hp)**
Cylinders	4	4
Bore	**84 mm (3.31 in)**	**84 mm (3.31 in)**
Stroke	**100 mm (3.94 in)**	**100 mm (3.94 in)**
Displacement	**2.2 l (135.2 in³)**	**2.2 l (135.2 in³)**
Compression Ratio	22:4:1	22:4:1
Firing Order	1-3-2	1-3-4-2
Aspiration	Natural	Turbocharged
Low Idle Speed	**1050 ± 50 RPM**	**1100 ± 50 RPM**
Maximum no-load speed	**2900-2950 RPM**	**2900-2950 RPM**
Rated Speed	**2700 RPM**	**2700 RPM**
Tappet Clearance		
Intake/Exhaust (cold)	**0.2 mm (0.008 in)**	**0.2 mm (0.008 in)**
Crankcase Oil Capacity	**5.5 l (5.8 US qt)**	**6.3 l (6.6 US qt)**
CAPACITIES		
Fuel Tank	**51 l (13.5 US gal)**	**51 l (13.5 US gal)**
Cooling system	**8.5 l (9.0 US qt)**	**10 l (10.5 US qt)**
Engine Crankcase Oil Capacity	**5.5 l (5.8 US qt)**	**6.3 l (6.6 US qt)**
Rear Axle & Transmission	**25 l (6.6 US gal)**	**25 l (6.6 US gal)**
Front Axle (FWD)	**7.5 l (8.0 US qt)**	**7.5 l (8.0 US qt)**
COOLING SYSTEM		
Type	Pressurized Liquid with Recirculating bypass	Pressurized Liquid with Recirculating bypass
Water Pump	Centrifugal	Centrifugal
Drive	V-Belt	V-Belt
Belt Deflection	**10 - 15 mm (7/16 - 9/16 in)** when **9 - 11 kg (20 - 25 lb)** pressure is applied midway between belt pulleys	**10 - 15 mm (7/16 - 9/16 in)** when **9 - 11 kg (20 - 25 lb)** pressure is applied midway between belt pulleys
Fan Diameter	**410 mm (16.1 in)**	**410 mm (16.1 in)**
Number of Fan Blades	6	8
Thermostat:		
Start to Open	**71 °C (160 °F)**	**71 °C (160 °F)**
Fully Open	**82 °C (180 °F)**	**82 °C (180 °F)**
Radiator Cap	**90 kPa (13 psi)**	**90 kPa (13 psi)**
Antifreeze	Ethylene Glycol	Ethylene Glycol
System Capacity	**8.5 l (9.0 US qt)**	**10 l (10.5 US qt)**

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