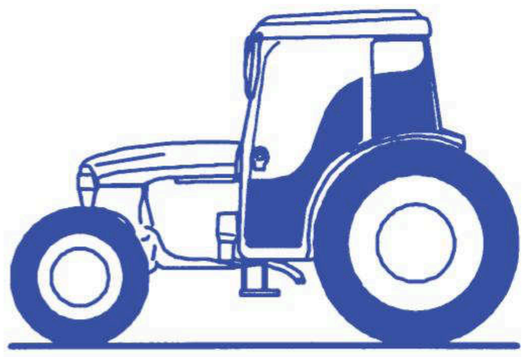


NEW HOLLAND
TN55V TN65V
TN75V TN65N
TN75N

REPAIR MANUAL

NEW HOLLAND

SERVICE

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CONSUMABLES

COMPONENT TO BE FILLED OR TOPPED UP	QUANTITY litres (gallons)	RECOMMENDED NEW HOLLAND PRODUCTS	NEW HOLLAND SPECIFICATIONS	INTERNATIONAL SPECIFICATIONS
Cooling system: without cab ..... with cab	 10 (2.64) 12 (3.17)	Water and **AMBRA AGRIFLU** liquid **50% + 50%**	NH 900 A	-
Windscreen washer bottle ...	2 (0.53)	Water and liquid detergent	-	-
Fuel tank: - TN55V, TN65V, TN75V .... - TN65N, TN75N)	 57 (15.06) 55 (14.53)	Decanted and filtered diesel fuel	-	-
Engine sump: without filter: ..... with filter:	 6.7 (1.77) 7.5 (1.98)	**AMBRA SUPER GOLD** oil **15W - 40**	NH 330G (SAE 15W-40)	API CF-4/SG CCMC D4 MIL-L-2104E
Brake circuit ..... With front brakes	0.5 (0.13) 0.7 (0.18)	**AMBRA BRAKE LHM** oil	NH 610 A	ISO 7308
Front axle: - housing casing models TN65N, TN75N ..... - housing casing models TN55V, TN65V, TN75V with brake ..... without brake ..... - lateral reduction gear units models TN65N, TN75N (each): with brake ..... without brake ..... - lateral reduction gear units models TN55V, TN65V, TN75V (each):	 2.8 (0.74) 4.0 (1.06) 4.0 (1.06) 1.75 (0.46) 1.0 (0.26) 0.6 (0.16)	**AMBRA MULTI G** oil	NH 410 B	API GL4 ISO 32/46 SAE 10W-30
Rear transmission (bevel drive, final drives and brakes), gearbox, hydraulic lift, PTO and hydraulic steering:	44 (11.62)			
Grease fittings	-	**AMBRA GR9** grease	NH 710 A	NLGI 2

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SECTION 10 - ENGINE

Chapter 1 - Engine

CONTENTS

Section	Description	Page
10 000	General specifications	2
	Data	5
	Torque settings	20
	Tools	21
	Cross-sectional views	23
	Lubrication and cooling system diagrams	25
	Troubleshooting	27
10 001 10	Engine. Removal - Installation	31
10 001 30	Compression test	38
10 001 54	Engine. Disassembly-Assembly	39
10 101 53	Valve guides. Replacement	76
10 101 60	Injector holder casing. Replacement	79
10 102 70	Front engine oil seal. Removal - Installation	81
10 106 12	Valve clearance adjustment	83
10 216 10	Fuel tank. Removal - Installation	86
10 218 30	Engine injectors. Removal - Installation	88
10 246 14	Bosch injection pump. Removal - Installation, timing and air bleed check	89
10 254 44	Exhaust pipe. Removal - Installation	96
10 402 11	Coolant pump. Removal - Installation, with radiator removed	97
10 402 28	Coolant pump. Overhaul	98
10 402 30	Thermostat. Removal - Installation	99
10 406 10	Radiator. Removal - Installation	100

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GENERAL SPECIFICATIONS	
Engine type:	
- 65 Hp TN 55V - type 8035.05B.227/228/527 (BOSCH pump)	See data page 6-7
- 65 Hp TN 65V and TN 65N - type 8035.05R.237/238/537 (BOSCH pump)	See data page 8-9
- 65 Hp TN 75V and TN 75N - type 8035.25.227/228/527 (BOSCH pump)	See data page 10-11
Cycle	diesel, 4-stroke
Fuel injection	direct
No. of in-line cylinders	3
Cylinder liners	dry force-fitted in cylinder block
Piston diameter:	
- 65 Hp TN 55V	104 mm (4.09 inches)
- 65 Hp TN 65V and TN 65N	104 mm (4.09 inches)
- 65 Hp TN 75V and TN 75N	104 mm (4.09 inches)
Piston stroke	115 mm (4.53 inches)
Total displacement:	
- 65 Hp TN 55V	2931 cm^3 (0.77 gallons)
- 65 Hp TN 65V and TN 65N	2931 cm^3 (0.77 gallons)
- 65 Hp TN 75V and TN 75N	2931 cm^3 (0.77 gallons)
Compression ratio, models TN 55V, TN 65V and TN 65N	17:1 normal intake
Compression ratio, model TN 75V and TN 75N	16.5:1 turbocharged
Maximum power:	
- 65 Hp TN 55V	37 kW (50 HP)
- 65 Hp TN 65V and TN 65N	44 kW (60 HP)
- 65 Hp TN 75V and TN 75N	53 kW (72 HP)
Max. power speed	2300 rpm
Max. torque speed: model TN 55V	1400 rpm
Max. torque speed: model TN 65V and TN 65N	1400 rpm
Max. torque speed: model TN 75V and TN 75N	1400 rpm
Number of main bearings	4
Sump pan	structural, cast iron

(continued)

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REPAIR MANUAL

TN55V TN65V
TN75V TN65N
TN75N

Section 23 - Drive Lines
Section 25 - Front Axle Mechanical Transmission
Section 27 - Rear Mechanical Wheel Drive
Section 31 - Mechanical Power Take-Off

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TN55V TN65V
TN75V TN65N
TN75N

Section 33 - Braking System
Section 35 - Hydraulic Systems
Section 41 - Steering
Section 44 - Axles and Wheels

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