

**1133, 1144, 1155,
1157 and 1158
Combines**



**John Deere Werke Zweibrücken
TM4476**

Printed in Germany (English)

**SUMMARY OF MOST IMPORTANT SPECIFICATIONS
1133, 1144, 1155, 1157, 1158**

SPECIFICATIONS

4239, 6359 Engines	
Valve clearance, intake valve	0.35 mm (0.014 in.)
Valve clearance, exhaust valve	0.45 mm (0.018 in.)
Compression	2100 kPa (21 bar; 300 psi)
Max. difference in compression pressure between cylinders	350 kPa (3.5 bar; 50 psi)
Opening pressure of a new injection nozzle	25100 to 25800 kPa (251 to 258 bar; 3650 to 3750 psi)
Minimum opening pressure of a used nozzle	24100 kPa (241 bar; 3500 psi)
Maximum difference in opening pressure	700 kPa (7 bar; 100 psi)
Fast idle	2675 + 50 rpm
Slow idle	1200 + 50 rpm
Air Intake System	
Air cleaner restriction indicator light will glow at a vacuum of	500 mm (20 in.) waterhead
Cooling System	
Thermostat opening temperature	71 to 82°C (160 to 180°F)
Electrical System	
Battery voltage	12 volts
Alternator output current (at 14 volts)	
– 1133, 1144	55 amps
– 1155, 1157, 1158	95 amps
Hydraulic System	
Hydraulic pump delivery	
– 1133, 1144	32.4 liters/min (8.5 gpm)
– 1155, 1157, 1158	38.4 liters/min (10 gpm)
Pressure relief valve setting	13800 to 14500 kPa (138 to 145 bar; 2000 to 2100 psi)

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**SUMMARY OF MOST IMPORTANT SPECIFICATIONS
1133, 1144, 1155, 1157, 1158**

SPECIFICATIONS (Continued)

Steering System	
Pressure relief valve setting	10500 kPa (105 bar; 1520 psi)
Safety valve setting	15000 to 16500 kPa (150 to 165 bar; 2175 to 2390 psi)
Clutch	
Minimum thickness of clutch disk	7 mm (0.28 in.)
Wheels	
Wheel bolt torques	
– Front wheels	420 Nm (304 ft-lb)
– Rear wheels	180 Nm (130 ft-lb)
CAPACITIES	
Engine lubrication system	
– 1133, 1144, 1155	8.5 liters (2.25 U.S.gal.)
– 1157	11.5 liters (3.05 U.S.gal.)
– 1158	13 liters (3.4 U.S.gal.)
Transmission with differential	
– 1133, 1144	12 liters (3.25 U.S.gal.)
– 1155, 1157, 1158	6.6 liters (1.75 U.S.gal.)
Final drive (each), 1155, 1157, 1158	2.1 liters (0.55 U.S.gal.)
Complete hydraulic system	
– 1133, 1144, 1155	15 liters (4.0 U.S.gal.)
– 1157, 1158	25 liters (6.6 U.S.gal.)
Engine cooling system	
– 1133, 1144, 1155	22 liters (5.8 U.S.gal.)
– 1157, 1158	25 liters (6.6 U.S.gal.)
Refrigerant capacity (air conditioning)	1950 g (68.8 oz.)
Compressor oil charge	320 cm ³ (19.5 cu.in.)
Fuel tank capacity	
– 1133, 1144	110 liters (29 U.S.gal.)
– 1155, 1157, 1158	175 liters (46 U.S.gal.)

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Combines 1133, 1144, 1155, 1157 and 1158 TECHNICAL MANUAL TM-4476 (JAN-90)

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