85/95 Series

Serviceman's Technical Data

7-35481

CASE IH AGRICULTURE

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ROUTINE SERVICING SCHEDULE

	SERVICE PERIODS		
HOURS	10	200	800
ENGINE			
Check oil level	0	0	0
Change engine oil except 995 at 100 hours		0	0
Change oil filter except 995 at 100 hours		0	0
Clean crankcase breather		0	0
Tighten cylinder head bolts			0
Check valve clearance			0
Check for oil leaks		0	0
COOLING SYSTEM			
Check coolant level	0	0	0
Tighten fan belt		0	0
Clean radiator core	0	0	0
Flush system (if IH anti-freeze is not used)			0
Check for leaks			0
AIR INTAKE SYSTEM			
Check hose clips			0
Tighten manifold bolts			0
Check dust unloader lips		0	0
Change element - See NOTE			0
FUEL SYSTEM			
Drain water trap	0	0	0
Change fuel filters			0
Check for leaks			0
Service injectors			0
Clean lift pump filter			0
ELECTRICAL SYSTEM			
Check electrolyte level		0	0
Check connections			0
Check lights		0	0
TRANSMISSION, HYDRAULICS AND CMFD AXLE			
Check oil levels	0	0	0
Change filter/s		0	0
Change oil			0
Check for leaks		0	0
ENGINE CLUTCH (Gear Drive Only)			
Lubricate release shaft		0	0
Check adjustment		0	0
WHEELS AND RIMS			
Check tyre pressure	0	0	0
Check tightness of nuts		0	0
Repack front wheel bearing			0

NOTE: Change element as shown by indicator or after 2 years, whichever is the sooner.

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LUBRICATION

Lubricant Viscosities and Capacities

POINT OF LUBRICATION	Litres (pints) Or as stated	ANTICIPATED AMBIENT TEMPERATURE			
		Above +30°C (+90°F)	0°C to +30°C (+32°F to +90°F)	−10°C to 0°C (10°F to +30°F)	BELOW 10°C (+10°F)
ENGINE 85/95 SERIES	7.5 (13) 8.5 (15) 9.5 (17)	SAE -30 or 10W-30 or 20W-40	SAE 20W-40 or 20W-20 or 10W-30	SAE-10W or SAE 10W-30	SAE 5W- 20 or 10W + 10% Kerosene
TRANSMISSION AND HYDRAULIC SYSTEM -2WD	34 (60)	HY-TRAN PLUS −29°C (−20°F) to 49°C (+120°F). (Below −29°C (−20°F) use LOW TEMPERATURE HY-TRAN) To specifications MS 1207 replaces HY-TRAN MS 1206			
TRANSMISSION AND HYDRAULIC SYSTEM - M.F.D.	36.5 (64)				
BELT PULLEY HOUSING	0.5 (1)				
ZF M.F.D. DIFFERENTIAL HUB	4.5 (7.9) 0.75 (1.3)	SAE 90 EP TO MIL-L-2105 B SPECIFICATION			
CARRARO M.F.D. DIFFERENTIAL HUB	5 (8.8) 0.6 (1.1)	SAE 85 140 EP TO MIL-L-2105 C			
AIR CONDITIONING SYSTEM	1.8 Kg (4 lb)	Refrigerant R 12 In Accordance with CASE Specification B 41			
REFRIGERANT COMPRESSOR	0.3 (0.6)	Sunlso 5 OS, Texaco Capella E, Shell Clavus Nr.129, or Equivalent Oils Compatible with Refrigerant R 12			
LUBRICATION FITTINGS	Lithium based grease to N.L.G.I. No. 1 or No. 2 consistency				

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SPECIAL TORQUES

	U.S. Value	Metric Value
Front Wheel Bearing Nut for 385, 485, 585 with (Standard Axle)		
First Tightening	70 lb ft	95 Nm
Second Tightening	50 lb ft	68 Nm
Front Wheel Bearing Nut for 685, 885 with (Standard Axle) and 385, 485, 585 with (Heavy Duty Axle)		
First Tightening	70 lb ft	95 Nm
Second Tightening	25 lb ft	34 Nm
Front Wheel Nuts		
Disc Thickness 0.137 to 0.157 inch (3.5 to 4.0 mm)	60 to 80 lb ft	81 to 108 Nm
Disc Thickness 0.177 to 0.216 inch (4.5 to 4.4 mm)	80 to 100 lb ft	108 to 135 Nm
Tie Rod End	50 to 100 lb ft	68 to 135 Nm
Steering Arm Clamp Bolt	80 to 90 lb ft	108 to 122 Nm

SPECIFICATIONS

Grease	Use a good quality lithium based grease of the following consistencies:
	No 1. for temperatures below 32°F (0°C)
	No 2. for temperatures above 32°C (0°F)

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TRANSMISSION LUBRICATION

SPEED GEARS SECTION

The four speed transmission constant mesh mainshaft gears and bearing surfaces are lubricated by a low oil flow 1.5 gpm (6.7 litres) via the 3 gpm oil cooler return circuit.

This supply of oil can be checked by removal of a short rubber hose carrying oil supply from oil cooler return line to mainshaft lubrication supply stack pipe, located in speed box lid with a flowmeter.

If supply is low, the complete 3 gpm hydraulic circuit must be examined prior to mainshaft lubrication to ascertain oil loss, i.e.

a. Power steering/flow divider
b. I.P.T.O. system
c. Powershift/forward reverse
d. Oil cooler circuit

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