750
760
860
960
965

Loader Backhoes

Service Manual

7-21271

CASE CONSTRUCTION

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750/760/860/960/965 LOADER BACKHOE SERVICE MANUAL

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Models 960 and 965

Dimensions and tyres		Inflation pressure	
Front	W15Lx24, 16.9x24 12P R4 SG	1.8 bar	26 psi
Rear	W15Lx24, 16.9x24 12P R4 SG	2.6 bar	36 psi
Front	W15Lx24, 17.5L R24 IT500	3.0 bar	44 psi
Rear	W15Lx24, 17.5L R24 IT500	3.0 bar	44 psi
Front	W15Lx24, 16.9 145P NOKIA	1.8 bar	26 psi
Rear	W15Lx24, 16.9 145P NOKIA	2.6 bar	36 psi
Front	W15Lx24, 16.9RxM27	2.5 bar	36 psi
Rear	W15Lx24, 16.9RxM27	2.5 bar	36 psi
Front	W15Lx24, 17.5LRxM27	2.5 bar	36 psi
Rear	W15Lx24, 17.5LRxM27	2.5 bar	36 psi

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TROUBLESHOOTING PROCEDURES

General

Check the machine for oil leaks and damaged or missing parts. Repair as required.

(965B and 960B)

With all controls in neutral, does the engine seem slightly loaded ?
- NO → Continue with the procedure.
- YES ↓

With a fully charged battery and single pump operation selected does the starter motor lack power ?
- NO → Continue with the procedure.
- YES ↓

With the machine idling, is the hydraulic oil hotter than expected ?
- NO → Continue with the procedure.
- YES ↓

Is the oil cooler free from external obstructions ?
- NO → Remove the obstructions.
- YES ↓

With all the controls in neutral, can the main relief valve be heard operating ?
- NO → Troubleshooting procedure complete.
- YES ↓

With the bucket empty, raise the loader. Does the relief valve stop operating until maximum height is reached ?
- NO → Troubleshooting procedure complete.
- YES ↓

The load sensing valve is stuck in the closed position and "dead heads " the pump whenever the spools are in neutral. Replace the load sensing valve. Is the oil in the hydraulic reservoir at the correct level ?
- NO → Fill the hydraulic reservoir with the oil specified in section 1002.
- YES ↓

Are the hydraulic hoses connected correctly ?
- NO → Connect hoses in accordance with the hydraulic schematic.
- YES ↓

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