340
Articulated Truck

Operator's Manual

Lep 6-84750NA

CASE
CONSTRUCTION

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1. External lights/headlight control
2. Front working lights control
3. Rotating beacon control
4. Not used
5. Hazard light control
6. Instrument panel and warning lamps
7. Not used
8. Rear view mirrors heating control (if equipped)
9. Side window wiper control
10. Side window washer control
11. Battery disconnect switch (for operation, see "Electrical power disconnection" in Section 3)
12. Integrated IRCM (engine brake + retarder) auxiliary brake control
13. Driven mirror adjustment control (if equipped)
14. Parking brake
15. 12V power socket
16. Dump body control and parking brake (hold) button
17. Automatic transmission lever
18. Cigar lighter
19. Rear axle/longitudinal lock control
20. Central longitudinal lock control
21. Ashtray
22. Windscreen wiper, washer and display management control
23. Accelerator pedal
24. Brake pedal
25. Ignition key switch
26. Steering wheel
27. Steering column slant adjustment lever
28. Direction indicators and horn control
29. Headlight and daytime flashing control
30. Climate control system controls

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SCHEDULED MAINTENANCE PROGRAM IN HOURS

Checking, adjusting and cleaning operations

SERVICE POINTS	10 hours	100 hours	500 hours	1000 hours	2000 hours	4000 hours	Year
Check engine oil level (5)	X						
Check engine coolant level (5)	X						
Check tyre pressure / wear / conditions (5)	X						
Check accessory / climate control system belts (5)	X						
Check lights and warning lights (5)	X						
Check windshield wiper (5)	X						
Check windshield washer level (5)	X						
Check brake cooling circuit fluid level (5)	X						
Check hydraulic fluid level (5)	X						
Check automatic transmission oil level		X					
Fuel pre-filter water drain		X					
Check front suspension element height		X					
Check engine coolant connections		X					
Check efficiency of parking brake		X					
Check efficiency of emergency steering pump control		X					
Clean conditioner condenser			X				
Check accessory / climate control system belt tension			X				
Check front hub oil level			X				
Check axle oil level			X				
Clean engine oil breather			X				
Battery maintenance (unsealed batteries)			X				
Check oil dryer function / visual inspection of reservoirs			X				
Bleed fuel tank condensation water				X			
Check hood / cab tipper oil level				X			
Check intake system tightness				X			
Automatic transmission TCU AEB procedure				X			
Check battery pressure					X		
Clean brake cooling circuit mesh filter					X		
Clean hydraulic system circuit mesh filters (2 filters)						X	
Clean the radiator/intercooler surface							X
Check heat exchanger tightness							X
Check antifreeze concentration							X

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HYDRAULIC SYSTEM

Independent reservoir. Oil-water heat exchanger.
Steering-tipping circuit: suction and delivery filter. Pump operated mechanically by the automatic transmission.
Braking circuit: suction and delivery filter. Pump operated mechanically by the engine.

Steering
Hydraulically controlled, two dual action hydraulic cylinders acting on articulation joint hinged between chassis.
Emergency pump, operated by the automatic transmission.

Tipper
Two dual acting multistage hydraulic cylinders fitted on ball joints inside the chassis.
Assisted return stroke.

Brake
Independent front and rear wheel braking system. Hydraulic pressure accumulators.
Oil cooling system with pump and heat exchanger.

BRAKE COOLING SYSTEM

Independent reservoir. Oil-water heat exchanger. Suction and delivery filter.
Hydraulically operated pump with proportional temperature control.

ELECTRICAL SYSTEM

Multiplex electrical system.
Connection between ECUs on CAN line.
Nominal voltage ..... 24 V
Starter motor ..... 24 V 5.5 kW
Alternator ..... 28 V 90 A
Batteries: 2, connected in series ..... 12 V 140 Ah, 1200 A (SAE), 750 A (IEC)

CHASSIS

High-resistant steel (Hardox 400) structure with welded boxing and plates.
Articulated, two independent structures, connected by means of oscillation bearing and taper roller bearings for demanding use ensuring rotation and pivoting between the two chassis.

DRIVE CAB

Steel structure conforming to ROPS/FOPS specifications. Flexible support pads.
Can be tipped by hydraulic system. Tippable engine hood.
Electronically controlled climate control system.

BODY

Structure with flat steel bottom with boxed parts strengthening subframes and flexible support pads. Walls and bottom in high abrasion resistance steel (Hardox 400).
Can be tipped on hydraulic cylinders.
Body bottom heated by passage of exhaust gas (optional).

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