CASE

PROFESSIONAL PARTNER

OPERATOR'S MANUAL

ARTICULATED DUMP TRUCKS

335
340

Tier 3

87562993 NA

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INTERIOR CONTROLS

Refer to the following chapters for details on control operation.

Interior control and utility arrangement (Fig. 1 on following page)

1. External lights/headlight control
2. Front working lights control
3. Rotating beacon
4. Not used
5. Hazard light control
6. Instrument and warning light panel (see following pages)
7. Not used
8. Rearview mirrors heating control – if equipped
9. Side window wiper control
10. Side window washer control
11. Battery disconnect switch
12. Integrated IRCM (engine brake + retarder) auxiliary brake control
13. Driven mirror adjustment control – if equipped
14. Parking brake
15. 12V power socket
16. Body tipping 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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CAPACITIES

PART TO BE FILLED		CAPACITY		SPECIFICATIONS
		l (US Gal)	kg (lb)	
Engine oil sump (1)				
– Akcela N°1 Engine Oil		30.5 (8)	– –	SAE 15W40 MIL L 21 04E lev. API GF 4
Engine coolant radiator				
Akcela Premium Anti–freeze		50 (13.2)	– –	ASTM 0336
Fuel tank				
Diesel		440 (116.2)	– –	ASTM D–975
Automatic transmission				
– Akcela N°1 Engine Oil		35.5 (9.4)	– –	SAE 15W40 MIL L 21 04E lev. API GF 4
Driveshaft support				
– Akcela Gear 135H EP		1.8 (0.5)	– –	SAE 85W140 MIL L 21050 API GL 5
Axles/Differentials/Planetary Hubs				
– **Akcela Gear 135H EP**	Front differential	14.0 (3.7)	– –	SAE 85W140 MIL L 21050 API GL 5
	Front hub	9.0 (2.4) x 2		
	Intermediate axle	34.0 (9.0)		
	Rear axle	33.0 (8.7)		
Suspension				
– Akcela A.T.F.		1.6 (0.4) x 2	– –	ATF DEXRON II
Hydraulic circuit (2)				
– Akcela Hydraulic Excavator Fluid		300.0 (79.2)	– –	ISO VG 46 DIN 51524/51525
Brake cooling circuit				
– AKCELA Nexplore		100.0 (26.4)	– –	MAT 3525
Engine hood/cab tipping circuit				
– Akcela A.T.F.		2.0 (0.5)	– –	ATF DEXRON II
Greasing				
– Akcela Premium Grease EP2		– –	2.0 (4.4)	N.L.G.I. No.2
Climate control system				
Refrigerant fluid R134a		– –	1.2 (2.6)	R134a
Windshield washer				
Tutela Professional SC35		Q.B.	– –	– –

(1) for ambient temperature < –20°C use SAE 5W30
for ambient temperature > 45°C use SAE 20W50

(2) for ambient temperature –40 °C < T < 20 °C use ISO VG 100
for ambient temperature 0 °C < T < 60 °C use ISO VG 22

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Lubrication and replacement operations

OPERATION	50 hours	250 hours	500 hours	1000 hours	1500 hours	2000 hours	3000 hours	year
Fill automatic grease dispenser	x							
Centralised grease application (front and rear)	x							
Replace fuel pre–filter		x						
Replace engine oil ACEA E3 or equivalent			x					
Replace engine oil filter			x					
Replace fuel filter			x					
Replace VGT circuit air cleaner			x					
Engine oil vapour recirculation filter replacement				x				
Replace climate control system air cleaner (*)			x					x
Replace air cleaner main element				x				
Replace automatic transmission oil (2)				x				
Replace automatic transmission oil filter (2)				x				
Replace differential oil and front hub oil (3)					x			
Replace intermediate and rear axle oil (3)					x			
Replace transmission central mount oil (3)				x				
Replace compressed air dryer filter (*)				x				x
Recharge climate control system (*) (°)				x				x
Change engine coolant (**)						x		
Change hydraulic system oil						x		
Replace hydraulic system filters (2)						x		
Change front suspension oil/gas						x		
Replace secondary air cleaner filter element (1)							x	
Replace accessory belts (all)							x	

(*) yearly for periods of use less than envisaged interval
(**) every two years for periods of use less than envisaged interval
(°) for further information contact your Dealer

(1) or every three main filter replacements
(2) first change/replacement when unit/system is new or overhauled after 100 hours
(3) first change/replacement when unit/system is new or overhauled after 200 hours

The table indicates the time interval between two consecutive operations.

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