Enviro	onmental performances				
46.	Sound level				
	Stationary at engine speed: Drive-by:	89.6 dB(A) at 1275 min ⁻¹ 77 dB(A)			
47.	Exhaust emission level:	Euro VI-E	Euro VI-E		
48.	Exhaust emissions				
	Number of the base regulatory act and the latest amending regulatory act applicable:				
	1.2. Test procedure: WHSC (Euro VI)	CO: 78.61 mg/kWh			
	(Laboration	THC:	7.23 mg/kWh		
		NMHC:			
		NOx:	161.43 mg/kWh		
		THC + NOx:	- mg/kWh		
		NH ₃ :	3		
		Particulates (mass):	2.85 mg/kWh		
		Particulates (number):	6.71E+10 #/kWh		
	2.2. Test procedure: WHTC (Euro VI)	CO:	102.94 mg/kWh		
		NOx:			
		NMHC:			
		THC:	7.60 mg/kWh		
		CH ₄ : - mg/kWh			
		NH₃: 0.18 ppm			
		Particulates (mass):	4.72 mg/kWh		
		Particulates (number):	0.77E+11 #/kWh		
48.1.	Smoke corrected absorption coefficient:	-			
49.	CO2 emissions/fuel consumption/electric energy consumption				
49.1.	Cryptographic hash of the manufacturer's records file:				
	RZoVcJHrEn+5qkPCgDNJbJAav9T3ZukqHeM7IbiDHJ8=				
49.2.	Zero emission heavy-duty vehicle:	emission heavy-duty vehicle:			
49.3.	ocational vehicle:		no		
49.4.	4. Cryptographic hash of the customer information file:				
NA 500 NO 10 TO	ghZ82wYVT3lfFi4uA2UEHDf7EkgT3odyyS3afERf3Y0=				
49.5.	Specific CO2 emissions:		59.1 gCO2/tkm		
49.6.	Average payload value:		13.842 t		
49.7.	Vehicle subgroup/group:		10-LH		
Divers			т		
50.	Type-approved in accordance with the design requirements for transporting dangerous goods of UN Regulation No 105: Not ADR		Not ADR		
51.	For special purpose vehicles: designation in accordance with point 5 of Part A of Annex I to Regulation (EU) 2018/858:		-		
52.	Remarks: - (*) Vehicle equipped from factory with retarder (weight 100 kg)				



VOLVO TRUCK CORPORATION

EC CERTIFICATE OF CONFORMITY

COMPLETE VEHICLES

The undersigned, Micael Lundberg, Homologation Manager, hereby certifies that the vehicle:

0.1. Make (trade name of manufacturer): Volvo

0.2. Type: VTG3T

Variant:

C6FHA3

Version:

N6RR6J69022903H5TUUA

0.2.1. Commercial name: FH16

0.2.2.1. Allowed Parameter Values for multistage type approval to use the base vehicle emission values (insert range when applicable):

0.2.3. Identifiers:

0.4.

0.6.

0.10.

N₃

0.5. Company name and address of manufacturer:

Volvo Truck Corporation SE-405 08 Göteborg, Sweden

Location and method of attachment of the

statutory plates:

Vehicle category:

Behind the front lid, riveted

Location of the vehicle identification number:

RH side of the frame, above the front axle

Name and address of the manufacturer's 0.9.

representative:

Vehicle identification number:

YV2R002C7PA333174

Date of manufacture of the vehicle: 0.11.

2023-07-15

conforms in all respects to the type

described in approval:

e5*2007/46*1016*16

granted on:

2023-04-11

and can be permanently registered in Member States having right hand traffic and using metric units for the speedometer and metric units for the odometer (if

applicable).

Göteborg, Sweden





General construction characteristics 1. Number of axides / and wheels: 1.1. Number / and position of axles with twin wheels: 1.2. Steered axles (number / position): 2. / 1 + 2 3. Powered axles (number / position): 3.1. Non-automated Main dimensions 4. Wheelbase: 4.100 mm 4.1. Axle spacing: 5. Length: 5. Length: 5. Elongated cab complying with Article 9a of Directive 98/53/EC: No 5.3. Vehicle not equipped with aerodynamic device or equipment 6. Width: 7. Height: 8. Fifth wheel lead for semi-trailer towing vehicle (maximum and minimum): 9. Distance between the front end of the vehicle and the centre of the coupling device: 11. Length of the loading area: 12. Rear overhang: 13. Mass in running order: 13. Mass in running order: 13. Distribution of this mass amongst the axles: 15. Economy 16. Technically permissible maximum masses 16. Technically permissible maximum masses 16. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible aladen mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible mass of the combination: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle group: 17.					
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2. Steered axles (number / position): 2 / 1 + 2 3. Powered axles (number / position, interconnection): 1 / 3, Not applicable 3.1. Non-automated Main dimensions 4. Wheelbase: 4100 mm 4.1. Axle spacing: 1-2: 2780 mm / 2-3: 1320 mm 5. Length: 6662 mm 5.2. Elongated cab complying with Article 9a of Directive 98/53/EC: No 5.3. Vehicle not equipped with aerodynamic device or equipment 6. Width: 2544 mm 7. Helght: 2544 mm 8. Fifth wheel lead for semi-trailer towing vehicle (maximum and minimum): 1260-650 mm 9. Distance between the front end of the vehicle and the centre of the coupling device: 4205-4815 mm 11. Length of the loading area: - 12. Rear overhang: 1197 mm Masses 13. Mass in running order: 1197 mm Masses 13. Mass in running order: 9830 kg 13.1. Distribution of this mass amongst the axles: 1: 6276 kg / 2: 1454 kg / 3: 2100 kg 13.2. Actual mass of the vehicle: 9830 kg 13.3. Additional mass for alternative propulsion: - 16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 31000 kg 16.2. Technically permissible mass on each axle: 1: 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle: 50000 kg 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass on each axle: 1: 9000 kg / 2: 9000 kg / 2: 9000 kg / 3: 12000 kg 17. Intended registration / in service maximum permissible laden mass on each axle: 1: 9000 kg / 2: 9000 kg / 2: 9000 kg 17. Intended registration / in service maximum permissible laden mass on each axle group: Intended registration / in service maximum permissible laden mass on each axle group: Intended registration / in service maximum permissible laden mass on each axle group: Intended registration / in service maximum permissible laden mass on each axle group: Intended registration / in service maximum permissible laden mass on each axle group: Intended registration / in service maximum permissible laden mass on each axle group	1.	Number of axles / and wheels:	3/8		
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Main dimensions 4. Wheelbase: 4100 mm 5. Length: 6662 mm 6. Elongated cab complying with Article 9a of Directive 96/53/EC: No 6. Width: 2544 mm 7. Height: 2544 mm 8. Fifth wheel lead for semi-trailer towing vehicle (maximum and minimum): 1260-650 mm 9. Distance between the front end of the vehicle and the centre of the coupling device: 4205-4815 mm 11. Length of the loading area: 1197 mm Masses 13. Mass in running order: 9830 kg 13.1. Distribution of this mass amongst the axles: 1: 6276 kg / 2: 1454 kg / 3: 2100 kg 13.2. Actual mass of the vehicle: 9830 kg 13.3. Additional mass for alternative propulsion: - 16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 31000 kg 16.2. Technically permissible mass on each axle: 1: 9000 kg / 2: 2000 kg / 3: 13000 kg 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: BE: 26100 kg 17.2. Intended registration / in service maximum permissible laden mass on each axle: BE: 1: 9000 kg / 2: 2000 kg 17.3. Intended registration / in service maximum permissible laden mass on each axle: BE: 1: 9000 kg / 2: 20100 kg 17.4. Intended registration / in service maximum permissible laden mass on each axle: BE: 1: 9000 kg / 2: 20100 kg 17.4. Intended registration / in service maximum permissible laden mass on each axle: Intended registration / in service maximum permissible laden mass on each axle: BE: 1: 9000 kg / 2: 20100 kg 17.4. Intended registration / in service maximum permissible laden mass on each axle: BE: 1: 9000 kg / 2: 20100 kg	3.	Powered axles (number / position, interconnection):	1 / 3, Not applicable		
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12. Rear overhang: 13. Mass in running order: 13. Mass in running order: 13. Distribution of this mass amongst the axles: 13. Actual mass of the vehicle: 13. Additional mass for alternative propulsion: 16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 16.2. Technically permissible mass on each axle: 15. 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle group: 15. 9000 kg / 2: 22000 kg 16.4. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible	9.		4205-4815 mm		
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13.1. Distribution of this mass amongst the axles: 13.1. Distribution of this mass amongst the axles: 13.2. Actual mass of the vehicle: 13.3. Additional mass for alternative propulsion: 14. Technically permissible maximum masses 15.1. Technically permissible maximum laden mass: 16.2. Technically permissible mass on each axle: 15. Technically permissible mass on each axle group: 16. Technically permissible mass on each axle group: 17. Intended registration / in service maximum permissible masses in national traffic 17. Intended registration / in service maximum permissible laden mass: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle: 17. Intended registration / in service maximum permissible laden mass on each axle group: 17. Intended registration / in service maximum permissible laden mass on each axle group: 17. Intended registration / in service maximum permissible laden mass on each axle group: 18. Technically permissible mass on each axle group: 18. Technically permissible mass on each axle group: 19. Technically permissible mass on eac	12.	Rear overhang:	1197 mm		
13.1. Distribution of this mass amongst the axles: 1: 6276 kg / 2: 1454 kg / 3: 2100 kg 13.2. Actual mass of the vehicle: 13.3. Additional mass for alternative propulsion: 16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 16.2. Technically permissible mass on each axle: 1: 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle group: 1: 9000 kg / 2: 22000 kg 16.4. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.5. Intended registration / in service maximum permissible laden mass on each axle group: 17.6. Intended registration / in service maximum permissible laden mass on each axle group: 18. 1: 6276 kg / 2: 1454 kg / 3: 21000 kg	Masse	S			
13.2. Actual mass of the vehicle: 13.3. Additional mass for alternative propulsion: 16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 16.2. Technically permissible mass on each axle: 11. 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle group: 11. 9000 kg / 2: 22000 kg 16.4. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 18. 1. 9000 kg / 2: 20100 kg 18. 1. 9000 kg / 2: 20100 kg	13.	Mass in running order:	9830 kg		
13.3. Additional mass for alternative propulsion: 16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 16.2. Technically permissible mass on each axle: 1: 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle group: 1: 9000 kg / 2: 22000 kg 1: 9000	13.1.	Distribution of this mass amongst the axles:	1: 6276 kg / 2: 1454 kg / 3: 2100 kg		
16. Technically permissible maximum masses 16.1. Technically permissible maximum laden mass: 31000 kg 16.2. Technically permissible mass on each axle: 1: 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle group: 1: 9000 kg / 2: 22000 kg 16.4. Technically permissible maximum mass of the combination: 50000 kg 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: BE: 26100 kg 17.2. Intended registration / in service maximum permissible laden mass on each axle: 3: 12000 kg 17.3. Intended registration / in service maximum permissible laden mass on each axle group: BE: 1: 9000 kg / 2: 20100 kg 17.4. Intended registration / in service maximum permissible	13.2.	Actual mass of the vehicle:	9830 kg		
16.1. Technically permissible maximum laden mass: 16.2. Technically permissible mass on each axle: 16.3. Technically permissible mass on each axle group: 16.4. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.5. Intended registration / in service maximum permissible laden mass on each axle group: 17.6. Intended registration / in service maximum permissible laden mass on each axle group: 17.6. Intended registration / in service maximum permissible laden mass on each axle group: 17.6. Intended registration / in service maximum permissible laden mass on each axle group: 18. 1: 9000 kg / 2: 9000 kg 18. 1: 9000 kg / 2: 20100 kg 19. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	13.3.	Additional mass for alternative propulsion:	-		
16.2. Technically permissible mass on each axle: 1: 9000 kg / 2: 9000 kg / 3: 13000 kg 16.3. Technically permissible mass on each axle group: 1: 9000 kg / 2: 22000 kg 1: 9000 kg / 2: 2000 kg 1: 9000 kg / 2: 20100 kg	16.				
16.3. Technically permissible mass on each axle group: 1: 9000 kg / 2: 22000 kg 16.4. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 18. 9000 kg / 2: 2000 kg 18. 1: 9000 kg / 2: 20100 kg 19. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	16.1.	Technically permissible maximum laden mass:	31000 kg		
16.4. Technically permissible maximum mass of the combination: 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.5. Intended registration / in service maximum permissible laden mass on each axle group: 17.6. Intended registration / in service maximum permissible laden mass on each axle group: 17.7. Intended registration / in service maximum permissible	16.2.	Technically permissible mass on each axle:	1: 9000 kg / 2: 9000 kg / 3: 13000 kg		
combination: 50000 kg 17. Intended registration / in service maximum permissible masses in national traffic 17.1. Intended registration / in service maximum permissible laden mass: BE: 26100 kg 17.2. Intended registration / in service maximum permissible laden mass on each axle: 3: 12000 kg 17.3. Intended registration / in service maximum permissible laden mass on each axle group: BE: 1: 9000 kg / 2: 20100 kg 17.4. Intended registration / in service maximum permissible laden mass on each axle group: BE: 1: 9000 kg / 2: 20100 kg	16.3.	Technically permissible mass on each axle group:	1: 9000 kg / 2: 22000 kg		
17.1. Intended registration / in service maximum permissible laden mass: 17.2. Intended registration / in service maximum permissible laden mass on each axle: 17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible	16.4.		50000 kg		
Iaden mass: BE: 26100 kg 17.2.	17.	Intended registration / in service maximum permissible masses in national traffic			
Iaden mass on each axle: 3: 12000 kg 17.3. Intended registration / in service maximum permissible laden mass on each axle group: BE: 1: 9000 kg / 2: 20100 kg 17.4. Intended registration / in service maximum permissible	17.1.		BE: 26100 kg		
17.3. Intended registration / in service maximum permissible laden mass on each axle group: 17.4. Intended registration / in service maximum permissible	17.2.		BE: 1: 9000 kg / 2: 9000 kg 3: 12000 kg		
17.4. Intended registration / in service maximum permissible	17.3.				
	17.4.		BE: 44100 kg		

18.	Technically permissible maximum towable mass in case o	f		
18.1.	Drawbar trailer:			
18.2.	Semi-trailer:	54800 kg		
18.3.	Centre-axle trailer:	-		
18.3.1	Rigid drawbar trailer:	-		
18.4.	Unbraked trailer:	750 kg		
19.	Technically permissible maximum static mass at the coupling point:	20000 kg		
Power				
20.	Manufacturer of the engine:	Volvo Powertrain Corporation		
21.	Engine code as marked on the engine:	D16K650 EUVI		
22.	Working principle:	Compression ignition, four stroke		
23.	Pure electric:	No		
23.1.	Class of Hybrid (electric) vehicle:	-		
24.	Number and arrangement of cylinders:	6 in line		
25.	Engine capacity:	16123 cm ³		
26.	Fuel:	Diesel		
26.1.	Engine type:	Mono fuel		
26.2.	Dual fuel type:	-		
27.	Maximum power			
27.1.	Maximum net power (internal combustion engine):	488 kW at 1700 min ⁻¹		
27.3.	Maximum net power (electric motor):	-		
27.4.	Maximum 30 minutes power (electric motor):	-		
28.	Gearbox (type):	Mechanical, automatic gearshift		
Maxim	um speed			
29.	Maximum speed:	90 km/h		
Axles and suspension				
31.	Position of lift axle(s):	2		
32.	Position of loadable axle(s):	3		
33.	Drive axle(s) fitted with air suspension or equivalent:	Yes		
35.	Tyre / wheel combination:	1: 385/65R22.5-164 K / 22.5x11.75 2: 385/55R22.5-160 K / 22.5x11.75 3: 315/70R22.5-150 L / 22.5x9.00		
Brakes				
36.	Trailer brake connections:	Pneumatic		
37.	Pressure in feed line for trailer braking system:	850 kPa		
Bodyw				
38.	Code for bodywork:	BC		
41.	Number / and configuration of doors:	2 / 1 left, 1 right		
42.	Number of seating positions (including the driver):	2		
Coupling device				
44.	Approval number or approval mark of coupling device (if fitted):	E1-55R-010294		
45.1	Characteristics values:	D: 152 kN U: 20000 kg		