

Certificate N°: **DE248317**

**ECMT Certificate of Compliance with Technical and Safety Requirements for a Motor Vehicle**

"EURO IV safe"     "EURO V safe"     "EEV safe"     "EURO VI safe"

Vehicle Type and Make:	<b>TGX/MAN</b>
Vehicle Identification Number (VIN):	<b>WMA06XZZ5HP084489 (06XEW02)</b>
Engine Type / Number:	<b>D2676LF45/51546061514609</b>

The<sup>1</sup>

- Competent validation Services in the country of registration<sup>2</sup>
- Vehicle Manufacturer, or the authorised Representative of the Manufacturer in the country of registration, or
- A combination of the competent validation Services in the country of registration and the vehicle Manufacturer, or the authorised Representative of the Manufacturer in the country of registration, when all the equipment is not fitted by the vehicle Manufacturer,<sup>3</sup>

**MAN Truck & Bus AG, Dachauer Straße 667, D-80995 München**

hereby confirms that the said vehicle is in compliance with the provisions of respective UNECE Regulations and/or EU regulatory acts, as listed below, and confirms that the particulars entered overleaf are correct.

**ENGINE POWER**

Measurements according to: UNECE Regulation R85.00, or as subsequently amended, or Directive 80/1269/EEC, as amended by Directive 1999/99/EC, or as subsequently amended.

**REQUIREMENTS FOR NOISE AND EXHAUST EMISSIONS**

Noise measured according to: UNECE Regulation R51.02, or as subsequently amended, or Directive 70/157/EEC as amended by Directive 1999/101/EC or as subsequently amended.

**EURO IV:** Exhaust emissions according to: UNECE Regulation R49.03, row B1 or as subsequently amended, or Directive 88/77/EEC as amended by Directive 2001/27/EC, row B1 or Directive 2005/55/EC as amended by Directive 2005/78/EC, row B1 or as subsequently amended.<sup>4</sup>

**EURO V:** Exhaust emissions according to: UNECE Regulation R49.04, row B2 or as subsequently amended; or Directive 88/77/EEC as amended by Directive 2001/27/EC, row B2 or Directive 2005/55/EC as amended by Directive 2005/78/EC, row B2 or as subsequently amended.<sup>5</sup>

**EEV:** Exhaust emissions according to: UNECE Regulation R49.04, row C or as subsequently amended; or Directive 88/77/EEC as amended by Directive 2001/27/EC, row C or Directive 2005/55/EC as amended by Directive 2005/78/EC, row C or as subsequently amended.<sup>6</sup>

**EURO VI:** Type-approval of engines with respect to emissions according to: UNECE Regulation R49.06 or Regulation (EC) No 595/2009 as amended by Commission Regulation (EU) No 582/2011 and Commission Regulation (EU) No 64/2012 or as subsequently amended.<sup>7</sup>



1 Delete inappropriate mentions.

2 For the countries where the Representatives of the manufacturers are not authorised.

3 In this case, the first Signatory fills in the column on the left, the second Signatory fills in the column on the right.

4 Character B1 or B or C, in the approval number.

5 Character B2 or D, E, F or G, in the approval number.

6 Character C or H, I, J or K in the approval number.

7 Character A, B or C in the approval number.

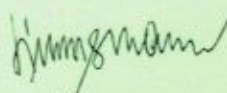
## SAFETY REQUIREMENTS

The motor vehicle is fitted with the following devices:

- EURO IV, EURO V or EEV: Rear protective devices<sup>8</sup>** according to UNECE Regulation R58.01 or as subsequently amended; or to Directive 70/221/EEC, as amended by Directive 2000/8/EC or as subsequently amended.
- EURO VI: Rear protective devices<sup>8</sup>** according to UNECE Regulation R58.02 or as subsequently amended; or to Directive 70/221/EEC as amended by Directive 2006/20/EC or as subsequently amended.
- Lateral protection<sup>8</sup>** according to UNECE Regulation R73.00 or as subsequently amended, or to Directive 89/297/EEC or as subsequently amended.
- EURO IV, EURO V or EEV: Rear view mirror** according to UNECE Regulation R46.01 or as subsequently amended; or to Directive 71/127/EEC, as amended by Directive 88/321/EEC or Directive 2003/97/EC or as subsequently amended.
- EURO VI: Indirect vision** according to UNECE Regulation R46.02 or as subsequently amended; or to Directive 2003/97/EC or as subsequently amended.
- EURO IV: Installation of lighting and light signaling devices** according to UNECE Regulation R48.01 or as subsequently amended; or to Directive 76/756/EEC, as amended by Directive 91/663/EEC or as subsequently amended.
- EURO V or EEV: Installation of lighting and light signaling devices** according to UNECE Regulation R48.02 or as subsequently amended; or to Directive 76/756/EEC, as amended by Directive 97/28/EC, or as subsequently amended.
- EURO VI: Installation of lighting and light signaling devices** according to UNECE Regulation R48.03 or as subsequently amended; or to Directive 76/756/EEC, as amended by Directive 2007/35/EC, or as subsequently amended.
- EURO IV, EURO V or EEV: Tachograph** according to the UNECE AETR Agreement or its amendments, or to Council Regulation (EEC) No 3821/85, as amended by Regulation (EC) No 2135/98 or as subsequently amended, as well as by Commission Regulations (EC) No 1360/2002 and No 432/2004 or as subsequently amended.
- EURO VI: Digital tachograph** according to the UNECE AETR Agreement or its amendments, or to Council Regulation (EEC) No 3821/85 as amended by Regulation (EC) No 2135/98 or as subsequently amended, as well as by Commission Regulation (EC) No 1266/2009 or as subsequently amended.
- Speed limitation devices** according to UNECE Regulation R89.00 or as subsequently amended, or to Directive 92/24/EEC, as amended by Directive 2004/11/EC, or as subsequently amended.
- Rear marking plates** (retroreflective) for heavy and long vehicles according to UNECE Regulation R70.01 or as subsequently amended.
- EURO IV, EURO V or EEV: Braking, including antiblocking systems** according to UNECE Regulation R13.09 or as subsequently amended; or to Directive 71/320/EEC as amended by Directive 98/12/EC or as subsequently amended.
- EURO VI: Braking, including antiblocking systems** according to UNECE Regulation R13.10, or as subsequently amended; or to Directive 71/320/EEC, as amended by Directive 2002/78/EC, or as subsequently amended.
- Steering** according to UNECE Regulation R79.01 or as subsequently amended, or to Directive 70/311/EEC as amended by Directive 1999/7/EC or as subsequently amended.

MÜNCHEN,  
Place

19.10.2016  
Date

  
Zimmermann

Signature(s) and stamp(s)<sup>9</sup>

MAN Truck & Bus  
Aktiengesellschaft  
Dachauer Straße 667  
80995 München

<sup>8</sup> Semi-trailer tractor excepted.

<sup>9</sup> Certificate may be filled in, stamped and signed manually or electronically.



Abt./Kürzel:  
SNVB

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documents@man.eu

München,  
19.10.2016

**BESTÄTIGUNG DER MOTOR- / EMISSIONSWERTE**  
CONFIRMATION OF ENGINE- AND EMISSION VALUES

Wir bestätigen für das angegebene Fahrzeug folgende motorspezifische Angaben. Dieses Dokument kann zur Vorlage bei den national zuständigen Genehmigungs- und Zulassungsinstanzen verwendet werden. Es gilt für alle beschriebenen Fahrzeugkomponenten zum Zeitpunkt der Werklieferung.

We hereby confirm the following motor specific key values for the mentioned vehicle. This confirmation is cleared by the MAN Truck & Bus AG for the use in case of national approval and registration purposes. The document is valid for all mentioned components according to the scope of delivery.

**HERSTELLER**  
MAKE

MAN

**FAHRZEUGKLASSE**  
VEHICLE CLASS

N3

**TYP**  
TYPE

L.2007.46.001

**HANDELSNAME**  
COMMERCIAL NAME

TGX

**BAUJAHR**  
YEAR OF BUILD

2016

**FAHRZEUGIDENTIFIZIERUNGSNUMMER**  
VEHICLE IDENTIFICATION NUMBER

WMA06XZZ5HP084489

**MOTORNUMMER**  
ENGINE NO.

51546061514609

**FAHRZEUGNUMMER**  
VEHICLE NO.

06XEW02

**Diese Bestätigung beinhaltet zwei Seiten und wurde auf fälschungssicherem Papier gedruckt.**

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Vorsitzender des Aufsichtsrats: Andreas Renschler  
Vorstand: Joachim Drees (Vorsitzender)  
Ulf Berkenhagen · Dr. Carsten Intra · Jan-Henrik Lafrentz  
Heinz-Jürgen Löw · Josef Schelchshorn

Sitz der Gesellschaft: München

Registergericht: Amtsgericht München · HRB 86 963  
USt-IdNr. DE81125281

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IBAN: DE36 7015 0000 0089 1044 00 · BIC: SSKMDEMM

Ein Unternehmen der MAN Gruppe · www.man.eu



FAHRZEUGIDENTIFIZIERUNGSNUMMER VEHICLE IDENTIFICATION NUMBER		WMA06XZZ5HP084489													
HERSTELLER DER ANTRIEBSMASCHINE MANUFACTURER OF THE ENGINE		1.		2.											
BAUMUSTERBEZEICHNUNG GEMAESS KENNZEICHNUNG AM MOTOR ENGINE CODE AS MARKED ON THE ENGINE		D2676LF45													
KRAFTSTOFF FUEL		DIESEL DIESEL													
FAHRZEUG MIT EINSTOFFBETRIEB, FAHRZEUG MIT ZWEISTOFFBETRIEB, FLEXFUEL-FAHRZEUG MONO FUEL/BI FUEL/FLEX FUEL		Einstoffbetrieb mono fuel													
ARBEITSVERFAHREN WORKING PRINCIPLE		Selbstzündung compression ignition													
HYBRID-(ELEKTRO-)FAHRZEUG HYBRID (ELECTRIC) VEHICLE		nein no													
ABGASNORM EXHAUST EMISSION LEVEL		Euro VI; A													
ANZAHL UND ANORDNUNG DER ZYLINDER NUMBER AND ARRANGEMENT OF CYLINDERS		6 / in Reihe stehend 6 / in line vertical		- / - - / -											
BOHRUNG / HUB BORE / STROKE		126 / 166				MM									
HUBRAUM ENGINE CAPACITY		12419				CM <sup>3</sup>									
NENNLEISTUNG BEI 1/MIN MAXIMUM NET POWER AT		353;1800 1/min		-; - 1/min		KW									
GENEHMIGUNG DIESELEMISSION APPROVAL EMISSION		e4*595/2009*136/2014A*0055*05													
GENEHMIGUNG DIESELABGAS APPROVAL SMOKE		-													
GENEHMIGUNG MOTORLEISTUNG APPROVAL POWER		-													
OBD STUFE OBD LEVEL		A A													
ABGASVERHALTEN (V.9) EXHAUST EMISSIONS		VO 595/2009*VO 136/2014													
ESC / Type 1		1.1 / 1.2		ETC		2.		Euro 6		WHSC		WHTC		G/KWH MG/KWH M <sup>-1</sup>	
CO		HC+NOx		CO		CO		1.78		35.15					
HC		THC		NOx		THC		1.87		5.84					
NOx		THC+NOx		NMHC		NMHC									
PT		NMHC		THC		CH <sub>4</sub>									
ELR		PT value		CH <sub>4</sub>		NOx		248.41		212.65					
				PT		NH <sub>3</sub>		2.74		4.93					
						PT mass		2.16		1.81					
						PT value		2,12E10		1,97E10					
*NUR FÜR ≥ EURO3; **ETC NUR FÜR ≥ EURO4 *ONLY FOR ≥ EURO3; **ETC ONLY FOR ≥ EURO4															
RAUCH (KORRIGIERTER WERT DES ABSORPTIONSKOEFFIZIENTEN) SMOKE CORRECTED ABSORPTION COEFFICIENT		0,50												M <sup>-1</sup>	
GERÄUSCHPEGEL / STANDGRÄUSCH BEI MOTORDREHZAHL / FAHRGERÄUSCH SOUND LEVEL / STATIONARY AT ENGINE SPEED / DRIVE BY		84;1350 1/min / 80												DB(A)	
DRUCKLUFTGERÄUSCH COMPRESSED AIR NOISE		71												DB(A)	
NATIONAL DEUTSCHE SCHADSTOFFKLASSE NATIONAL GERMAN EMISSION CLASS		EUROVI; A; M; N													
CODE ZU V9 ODER 14 ZU FELD 14.1 CODE OF NATIONAL EMISSION CLASS		66A0													

Diese Bestätigung beinhaltet zwei Seiten und wurde auf fälschungssicherem Papier gedruckt.

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*Kirschner*

i.V. Kirschner

*Backer*

i.V. Backer



MAN TRUCK & BUS  
Aktiengesellschaft  
Dachauer Straße 667  
80995 München

<b>COP DOCUMENT</b>	Fortlaufende Dokumentnummer: 1) Document serial number: Numero di serie del documento:
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2) Nationalität: Nationality: Nazionalità:	<b>BE</b>	3) Amtliches Kennzeichen: Vehicle registration number: Targa del veicolo:	
3) Amtliches Kennzeichen: Vehicle registration number: Targa del veicolo:		4a) Motor wurde getauscht am: Motor was changed at: Motore cambiato il:	
5) EWG-Betriebserlaubnisnummer: Type approval number: CEE-numero della licenza per l'esercizio: oder/or/o Motorcodierungsnummer: Engine serial number: Numero di serie del motore:	(nach 88/77/EWG 91/542/EWG oder/or/o ECE R 49)	<b>e4*595/2009*136/2014A*0055*05 D2676LF45 / Euro VI; A</b>	
6) Fahrzeugidentifizierungsnummer: Chassis number: Chassis numero:		<b>WMA06XZZ5HP084489 (06XEW02)</b>	
7) NOx Emission: NOx Emission: Emissione di NOx:	-	8) COP Wert (Typengenehmigung + 10%): COP Value (Type approval + 10%): Valore COP (Omologazione + 10%):	-
9) Anzahl Ökopunkte: Number of Ecopoints: Numero di Ecopunti:		-	

10) Behördenstempel: Official stamp: Timbro ufficiale:	
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MAN Truck & Bus AG



**BESTÄTIGUNG / CONFIRMATION**

MÜNCHEN, DEN 19.10.2016

WIR BESTÄTIGEN, FÜR DAS FAHRZEUG  
WE HEREBY CONFIRM FOR THE VEHICLE

FOLGENDE EMISSIONSWERTE Euro VI; A  
EMISSION CATEGORY  
NACH RREG VO 595/2009 I.D.F. VO 136/2014  
ACCORDING TO DIRECTIVE

HERSTELLER  
MAN  
MANUFACTURER  
HANDELSBEZEICHNUNG  
TGX  
COMMERCIAL NAME  
FAHRZEUG-IDENT.-NR.  
WMA06XZZ5HP084489  
VEHICLE IDENTIFICATION NO  
FAHRZEUG-NR.  
06XEW02  
VEHICLE NO.  
MOTOR  
D2676LF45  
ENGINE  
MOTORNUMMER  
51546061514609  
ENGINE NO.

ESC Type 1	1.1 / 1.2		ETC**	2.	EURO 6	WHSC	WHTC	GKWH MG/KWH M <sup>-1</sup>	
CO	-	HC-NOx	-	CO	-	1.78	35.15		
HC	-	THC	-	NOx	-	1.87	5.94		
NOx	-	THC-NOx	-	NMHC	-	-	-		
PT	-	NMHC	-	THC	-	-	-		
ELR*	-	PT value	-	CH4	-	248.41	212.65		
*NUR FÜR > EUROS, ** ETC NUR FÜR > EURO4				PT	-	NH3	2.74		4.93
*ONLY FOR > EUROS, **ETC ONLY FOR > EURO4				PT mass	-	2.16	1.81		
RAUCH (KORR. WERT DES ABSORPTIONSKOEFFIZIENTEN) SMOKE CORRECTED ABSORPTION COEFFICIENT				0.50	PT value	2.12E10	1.97E10	M <sup>-1</sup>	

MAN Truck & Bus AKTIENGESELLSCHAFT

*Wirsbacher Stefan Becke*

i.V. Kirschner i.V. Backer

WEITERE INFORMATIONEN UND DOKUMENTE ERHALTEN SIE PER E-MAIL AN [DOCUMENTS@MAN.EU](mailto:DOCUMENTS@MAN.EU)  
FOR FURTHER INFORMATION AND DOCUMENTS PLEASE CONTACT US VIA E-MAIL [DOCUMENTS@MAN.EU](mailto:DOCUMENTS@MAN.EU)



Sitz der Gesellschaft: München

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Stadtparkasse München: BLZ 701 500 00 Konto 89104400

Registergericht: Amtsgericht München · HRB 86 963 | USt-IdNr. DE811125281

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<p>Herstellerbestätigung (nach Bedarf):  11) Manufacturer confirmation (if necessary):  Attestazione del produttore (a seconda del fabbisogno):</p>	<p>Für Punkt 5) bis 9):</p> <p><b>MAN TRUCK &amp; BUS  Aktiengesellschaft</b>  Dachauer Straße 667  80995 München</p> <p><i>Kirschner</i> <i>Stefanie Backer</i></p> <p>i.V. Kirschner i.V. Backer</p>
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