



CERTIFICATE OF CONFORMITY

ACCOMPANYING EACH VEHICLE IN THE SERIES OF THE TYPE WHICH HAS BEEN APPROVED

SECTION 1

FOR COMPLETE VEHICLES

The undersigned: Mr. Li Zhengyu / Vice General Manager

Hereby certifies that the following complete vehicle:

- 1.1. Make (trade name of the manufacturer) : LOVOL
- 1.2. Type : TB-1
- 1.2.1. Variant(s) : TB-1504R
- 1.2.2. Version : ---
- 1.2.3. Commercial name(if available) : LOVOL M504
- Category, subcategory and speed index of vehicle : T1a
- 1.4. Company name and address of manufacturer : Weichai Lovol Heavy Industry Co. Ltd.
No. 192 Beihai South Road, Fangzi District,
Weifang City, Shandong Province, P.R.China
- 1.4.2. Name and address of manufacturer's authorized representative(if any) : P.DE HEUS EN ZONEN GREUP BV
STOUGJESDIJK 153 3271 KB GREUP, HOLLAND
- 1.5.1. Location of the manufacturer's statutory plate(s) :
- | Variant(s) | Description |
|------------|----------------------------------|
| TB-1504R | Outer side of right beam of ROPS |
- 1.5.2. Method of attachment of the manufacturer's statutory plate(s) : Riveted
- 1.6.1. Location of the vehicle identification number on the chassis : Stamped on front right side of tractor frame and the front left of the gear box
2. Vehicle identification number : FTTM3A44PPC010115
- Conforms in all respects to the type described in EU type-approval : e13*167/2013*00365*01
- Issued on : 18 March 2022
- and can be permanently registered in Member States having right/left-hand traffic : Right
- and using metric/imperial units for the speedometer.
- (Place) : Weifang, Shandong, China
- (Date) : December 05, 2023
- (Signature) :



(Vice General Manager)

Attributo codice di
matricolazione

EU 04291MACP524

Brescia, 25/09/2024

FUNZIONARIO TECNICO

Stefano Romanello



SECTION 2
VEHICLE CATEGORY T
(COMPLETE VEHICLE)

General construction characteristics

- 3.3.1. Number of axles and wheels⁽¹⁾ : 2 axles, 4 wheels
- 3.3.2. Number and position of axles with twinned wheels : n.a.
- 3.3.3. Number and position of steered axles : 1 axle, front
- 3.3.4. Number and position of powered axles : 2 axles (rear permanent drive and front with a disengageable interconnecting coupling).
- 3.3.5. Number and position of braked axles : 1 axle, rear (with automatic engagement of front wheel drive)
- 3.4.2. Number and position of powered set of track trains : n.a.
- 3.4.3. Number and position of braked set of track trains : n.a.

Constructions characteristics for special purposes

- 58.3. Vehicle equipped with a cab classified for protection against hazardous substances of category with regard to protection against hazardous substances : not applicable

Masses

- 4.1.1.1. Unladen mass(es) in running order
- 4.1.1.1.1. Maximum : 2525 kg (TB-1504R)
- 4.1.1.1.2. Minimum : 2300 kg (TB-1504R)
- 4.1.2.1. Technically permissible maximum laden mass(es) : 3750kg
- 4.1.2.1.1. Technically permissible maximum mass(es) per axle : Front:1380kg
Rear: 2370kg
- 4.1.2.2. Mass(es) and tyre(s) :

Tyre combination No.	Axle No.	Tyre dimension including load capacity index and speed category symbol	Rolling radius [mm]	Tyre Load rating per tyre [kg]	Maximum permissible mass per axle[kg]	Maximum permissible mass of the vehicle [kg]	Maximum permissible vertical load on the coupling point[kg]	Track width [mm]	
								Min.	Max.
1	1	280/70R20 116D	425	1250	1380	3750	See information document annex 38.1	1320	1400
	2	380/70R28 127D	625	1950	2370			1350	1400
2	1	280/70R20 116A8	425	1250	1380	3750		1320	1400
	2	380/70R28 127A8	625	1950	2370			1350	1400
3	1	280/70R20 116D	425	1250	1380	3750		1320	1400
	2	380/85R24 131A8	600	1950	2370			1400	1400
4	1	280/70R20 116A8	425	1250	1380	3750		1320	1400
	2	380/85R24 131A8	600	1950	2370			1400	1400
5	1	260/70R20 113D	410	1150	1380	3750		1320	1400
	2	380/85R24 131A8	600	1950	2370			1400	1400
6	1	280/70R16 102D	380	850	1380	3750		1310	1400



	2	360/70R24 122A8	550	1500	2370			1340	1400
7	1	280/70R16 112A8	380	850	1380	3750		1310	1400
	2	360/70R24 122A8	550	1500	2370			1340	1400
8	1	260/70R16 101D	365	825	1380	3750		1320	1400
	2	360/70R24 122D	550	1500	2370			1340	1400
9	1	260/70R16 109A8	365	825	1380	3750		1320	1400
	2	360/70R24 122A8	550	1500	2370			1340	1400
10	1	8.3-20 95A6	418	690	1380	3750		1260	1400
	2	14.9-24 128A6	591	1800	2370			1340	1400
11	1	8.3-20 95A6	418	690	1380	3750		1260	1400
	2	12.4-28 122A6	589	1500	2370			1300	1400
12	1	31×9.5-16 113A6	368	1150	1380	3750		1320	1400
	2	43.5×13-20 122A6	515	1500	2370			1370	1400

4.1.3 Technically permissible towable mass(es) for each chassis/ braking configuration of the R- or S-category vehicle:

R- and S category vehicle Brake	Drawbar	Rigid drawbar	Centre-axle
Unbraked	1000 kg	1000 kg	1000 kg
Inertia-braked	4000 kg	4000 kg	4000 kg
Hydraulic braked	--	--	--
Pneumatic braked	--	--	--

4.1.4 Total technically permissible mass(es) of the tractor (T- or C-category vehicle) and towed vehicle (R- or S-category vehicle) combination for each chassis/braking configuration of the R- or S-category vehicle

R- and S category Vehicle Brake	Drawbar	Rigid drawbar	Centre-axle
Unbraked	4750kg	4750kg	4750kg
Inertia-braked	7750kg	7750kg	7750kg
Hydraulic braked	--	--	--
Pneumatic braked	--	--	--

Ballast masses

29.2. Number of sets of ballast masses : two
29.2.1 Number of components on each set :

Variant(s)	Tyre		Front	Rear
TB-1504R	380/70R28	Set 1	6	12
		Set 2		8
		Set 3		6
		Set 4		4
	380/85R24 360/70R24 14.9-24	Set 1	6	6
		Set 2		4
	12.4-28	Set 1	6	6
		Set 2		4



29.4 Total mass of ballast masses :

Variant(s)	Tyre	Front & Rear (kg)
TB-1504R	380/70R28	Set 1
		Set 2
		Set 3
		Set 4
	380/85R24 360/70R24 14.9-24	Set 1
		Set 2
	12.4-28	Set 1
		Set 2

Main dimensions

4.2.2 For complete/completed vehicles

4.2.2.1.1 Length for on-road use

: maximum: 3986 mm

minimum: 3986 mm

4.2.2.1.2 Width for on-road use

: maximum: 1790 mm

minimum: 1670 mm

4.2.2.1.3 Height for on-road use

: maximum: 2614 mm (TB-1504R)

minimum: 2504 mm (TB-1504R)

4.2.2.5 Wheelbase

: 1990 mm

4.2.2.8 Track width

Maximum

: Axle 1: 1320 mm; Axle 2: 1400 mm

Minimum

: Axle 1: 1260 mm; Axle 2: 1300 mm

General powertrain characteristics

5.1.1.1 Declared maximum design vehicle speed

: 37.6 km/h (Rear tire: 380/70R28)

5.1.2.1 Declare rearward maximum design vehicle speed

: n.a.

Engine

2.1. Make(s) (trade names) of manufacturer

: DOOSAN

2.2. Type

Variant(s)	Engine Type
TB-1504R	DM01-MFA00

2.2.2 Type-approval number without extension

Engine Type	Type -approval number
DM01-MFA00	13*2016/1628*2020/1040 EV4/D*0345*06

6.1.7. Category and sub-category of the engine

: NRE-v-4

6.2.1. Combustion cycle

: Four stroke cycle / ~~two-stroke cycle~~ / rotary / other-
(specify)

6.2.2. Ignition type

: Compression ignition / ~~spark ignition~~

6.2.3.1. Cylinders' number and configuration

: 3 cylinders, in-line

6.2.8.1. Fuel type

: diesel

6.2.8.3. List of additional fuels compatible with use by the engine

: n.a.



6.3.2.1.2.	Declared rated net power	:	<table><tr><th>Variant(s)</th><th>Engine type</th><th>Power (kW)</th></tr><tr><td>TB-1504R</td><td>DM01-MFA00</td><td>36.9</td></tr></table>	Variant(s)	Engine type	Power (kW)	TB-1504R	DM01-MFA00	36.9
Variant(s)	Engine type	Power (kW)							
TB-1504R	DM01-MFA00	36.9							
6.3.2.2.2.	Maximum net power	:	<table><tr><th>Variant(s)</th><th>Power(kW)</th></tr><tr><td>TB-1504R;</td><td>36.9</td></tr></table>	Variant(s)	Power(kW)	TB-1504R;	36.9		
Variant(s)	Power(kW)								
TB-1504R;	36.9								
6.3.6.4.	Engine total swept volume	:	1794 cm ³						
Gearbox									
11.2.8.	Type of transmission ratio change system	:	Mechanical						
Steering									
13.2	Steering category	:	manual / power-assisted / servo steering/differential						
Braking									
43.4.6.	Electronic braking system	:	yes / no / optional						
43.5.1.	Braking transmission	:	mechanical / hydrostatic without power assistance / power-assisted / fully powered transmission						
43.6.1.	Towed vehicle braking control system technology	:	Hydraulic / Pneumatic / Electric / None						
43.6.4.	Connections type	:	single line / two lines / none						
43.6.4.1.	Supply pressure Hydraulic	:							
	Single line	:	n.a.						
	Two-lines	:	n.a.						
43.6.4.2.	Supply pressure Hydraulic	:							
	Two-lines	:	n.a.						
43.6.5.	Presence of ISO 7638:2003 connector	:	n.a.						
Rollover protective structure (ROPS)									
2.1.	Make(s) (trade name(s) of manufacturer	:	LOVOL						
2.2.2.	Type-approval number(s)	:	e13*1322/2014*2018/830U3*00104*03 (Rops)						
46.1.	Equipment of ROPS	:	compulsory/optional/standard						
46.2	ROPS	:	by cab/ by frame /by roll bar(s) mounted at front /rear						
46.2.1	In the case of roll bar	:	foldable / not foldable						
46.2.2	In the case of foldable roll bar	:							
46.2.2.1	Folding operation	:	non-assisted / partially-assisted / fully-assisted						
46.2.2.2.1.	Hand-operated foldable ROPS	:	with tools / without tools						
46.2.2.4.	Locking mechanism	:	manual / automatic						
Seating positions (saddles and seats)									
49.1	Seating position configuration	:	seat / saddle						
49.4.2	Driver's seat type category	:	category A class I/II/III, category B						
49.4.3	Reversible driving position	:	yes / no						
49.5.1	Number of passenger seats	:	n.a.						
Mechanical couplings									
38.3.	Rear mechanical coupling	:							
Type (according to Appendix 1 to Annex XXXIV to Commission Delegated Regulation (EU) 2015/208)		Clevis type mechanical coupling	Tractor drawbar						



Make			LOVOL	LOVOL
Manufacturer's type designation			TB1S530010000K	TB1S350010000K
(EU) type-approval mark or -number			e13*2015/208*2018/829N S*00048*01	e13*2015/208*2018/829N S*00049*01
Maximum horizontal load/D-Value			n.a.	n.a.
Towable mass (T)			8 tonnes	6 tonnes
Maximum permissible vertical load on the coupling point			1000 kg	0 kg
Position of coupling point	height above ground	minimum	504	229
		maximum	614	339
	distance from vertical plane passing through the axis of the rear axle	minimum	659	769
		maximum	659	769

Three-point lifting mechanism

- 39.1. Three-point lifting mechanism : ~~Front mounted~~ / rear mounted / ~~both front and rear mounted~~ / ~~inexistent~~
- 39.2. Maximum towable mass : 1300 kg

Additional coupling points

- 40.1 Additional coupling points : yes / no / ~~optional~~

Power take-off(s)

- 51.2. Main PTO
- Position : ~~front~~ / rear / ~~other~~
- 51.3. Secondary PTO : n.a.
- Position : ~~front~~ / rear / ~~other~~
- 51.2.3. Optional: Power at the power take-off (PTO) at the rated speed(s) [in accordance with OECD Code 2 (26) or ISO 789-1:1990 (Agricultural tractors — Test procedures — Part 1: Power tests for power take-off)]

Variant(s)	Rated speed PTO (min ⁻¹)	Corresponding engine speed (min ⁻¹)		Power (kW)	
		Main PTO	Secondary PTO	Main PTO	Secondary PTO
TB-1504R	540	2044	-	31	-
	1000	2045	-	31	-

Results of the sound level test(external)

Measured according to Annex II to Commission Delegated Regulation (EU) 2018/985, as last amended by Commission Delegated Regulation (EU) 2020/1564:

Variant(s)	TB-1504R
Moving	83
Stationary	76
Engine speed	2400 r/min

Driver-perceived sound level

Measured according to Annex XIII to Commission Delegated Regulation (EU) 1322/2014, as last amended by Commission Delegated Regulation (EU) 2018/830:

Driver's exposure to noise level	TB-1504R
	81
Test method used	Method 2

Results of exhaust emission tests (inclusive of Deterioration Factor)

Measured according to

- Commission Delegated Regulation (EU) 2018/985, as last amended by Commission Delegated Regulation (EU) 2020/1564 : yes/no



--Regulation (EU) No 2016/1628 of the European Parliament and of the Council, as last amended by (Commission Delegated) Regulation (EU) (No) 2020/1040 (of the European Parliament and of the Council) : yes/no

--Regulation (EC) No 595/2009 of the European Parliament and of the Council, as last amended by (Commission Delegated) Regulation (EU) No 2019/1242 (of the European Parliament and of the Council) : yes/no

Variant (s)	Emissions	CO (g/kWh)	HC (g/kWh)	NOx (g/kWh)	HC+NOx (g/kWh)	PM (#/kWh)	PN (#/kWh)	Test Cycle
TB-1504R	NRSC/ ESC / WHSC	0.000	---	---	3.756	0.002	0.135 x10 ¹²	C1
	NR transient test / ETC / WHTE	0.271	---	---	3.571	0.004	0.201 x10 ¹²	NRTC
	CO ₂ result	NRSC: 761.5 g/kWh NRTC: 813.7g/kWh						



MIQ

*** INTERROGAZIONE ARCHIVIO OMOLOGAZIONI ***

MODICE OMOLOGAZIONE EU/04291/MACPBS24 FUNZIONE
NUMERO CMO EUROPEA e13*167/2013*00365*01 DATA OMO EU 18/03/2022
DENOMINAZIONE COMMERCIALE LOVOL M504
COSTRUTTORE WEICHAI LOVOL HEAVY INDUSTRY CO. LTD. TIPO TB-1
VARIANTE TB-1504R VERSIONE
MARCA LOVOL CARROZ SPEC-CAR
FABBRICAZIONE E TIPO VEICOLO S POSTI ANTERIORI 0 DATA OMOLOGAZ 09/21
IP-MOT DM01-MFA00 LUNGHEZZA 03986 POSTI TOTALI 001 LIMITE DATA 00/000
COMBUSTIBILE G LARGHEZZA 1790 POSTI BUS SED 000 VALIDITA'
TEMPI 4 SBALZO POST 0000 POSTI BUS PIED 000 LIMITE NUMERO 000000
CILINDRI 03 NUMERO ASSI 02 POSTI BUS SERV 0 RAP TOT TRASM
CILINDRATA 01794,00 INTERASSE-1 1990 TARA 02525 NOX
POTENZA MAX 03690 INTERASSE-2 MASSA COMPL 003750 CO2
POTENZA FISCALE 000 INTERASSE-3 MASSA RIMOR 004000 PARTICOLATO
NUMERO MARCE 00 CARREGGIATA 0000 RALLA-1 0000 FRENO SERVIZIO TIPO M
GIRI MIN 02400 TIPO CAMBIO MEC RALLA-2 0000 COEF.ASSORBIMENTO
DECIBEL 076,00 FUORISTRADA DAP TECNOLOGIA INNOVATIVA 000,
GIRI CON US 002400 CARATT BASE PUO' IMMATRICOLARE DAL TELAIO N.
PNEUMATICI A:280/70R20 116A8-P:380/70R28 127A8 SERVOSTERZO
VEL EFF 03760 ABS DIR CEE LIM-VEL
DESC MOTORE DOOSAN - OMOLOG.E13 2016/1628 - -2016/1628 EV4/D 0345 06



Ministero delle Infrastrutture e dei Trasporti
Dipartimento per i Trasporti e la Navigazione
Direzione Generale Territoriale del Nord Ovest
UFFICIO 9 - CENTRO PROVA AUTOVEICOLI DI MILANO - SEZIONE DI BRESCIA
Via Achille Grandi, 1 - 25125 Brescia
Tel. 030 3582601 - Fax 030 3582674

BRESCIA

M.O. 09/BS/104291 DEL 16-09-2024

ATTESTATO DI ATTRIBUZIONE DEL CODICE DI IMMATRICOLAZIONE

categoria veicolo (S) TRATTRICE AGRICOLA
codice di immatricolazione EU04291MACPBS24
numero di telaio FTTM3A44PPC010115

Fabbrica / Tipo / Dati Tecnici: come da estratto retro riportato

Attribuzione effettuata a seguito di esibizione:
- COC WEICHAI LOVOL HEAVY INDUSTRY OC. LTD. n. ---- del 06/12/2023

I valori registrati nel record delle caratteristiche tecniche retro riportato sono stati desunti dal certificato di conformità (COC) emesso dal costruttore senza visita del veicolo da parte dell'Ufficio. L'Ufficio non è responsabile per inesattezze diverse da quelle dovute a meri errori di trascrizione.

OBBLIGHI IVA DA VERIFICARSI
IN SEDE DI IMMATRICOLAZIONE

BRESCIA, 20-09-2024



IL TECNICO
Funz. Tecn. STEFANO ROMANO

Estratto del record dei dati tecnici

CODICE OMOLOGAZIONE EU/04291/MACPBS24 TIPO VEICOLO S DATA OMOLOGAZIONE 09/24
 CODICE COSTRUTTORE NUMERO PRATICA
 NUMERO OMO EUROPEA e13*167/2013*00365*01 DATA OMO EU 18/03/2022
 COSTRUTTORE WEICHAI LOVOL HEAVY INDUSTRY CO. LTD. TIPO TB-1
 VARIANTE TB-1504R VERSIONE
 MARCA LOVOL
 DENOM.COMM. LOVOL M504
 MOT DM01-MFA00 COMB G TMP 4 N-CL 03 CLNDT 01794,
 PZ-MAX(KW) 036,90 NZ-FAB E GR 02400 PZ-FIS
 P-A P-T 001 LNG 03986 LRG 1790 SBLZ
 CARREGGIATA INT1 1990 INT2 INT3 P-BUS-S P-BUS-P
 P-BUS-SV TARA 02525 MS-COMPL 003750 MS-RIMLE 004000 N-ASS 02
 N-MAR CAMB MEC RAPP-TR SERVOST
 PNE A:280/70R20 116A8-P:380/70R28 127A8 FR-SERV M DB 076, GR-US 02400
 V-EFFETT 03760 VLD LIM-N LIM-DT / F-STRADA
 SI PUO' IMMATRICOLARE DAL TELAIO NUMERO ABS LIM-VEL CAR-BASE
 DIR CE DAP TECNOLOGIA INNOVATIVA , RL1 RL2
 NOX , PART.ATO , CO2 (g/Km) , COEFF.ASSORB. ,
 DESC MOTORE DOOSAN - OMOLOG.E13 2016/1628/-2016/1628 EV4/D 0345 06
 ROPS E13 00104 U3 (ROLLBAR). GANCI:
 E13 00048NS S=1000KG T=8T, E13 00049
 NS S=0 T=6T. MASSA MAX TRAINABILE DA
 ATTACCO A 3 PUNTI 1300 KG. MASSE MAX
 /ASSI: ANT.1380/POST.2370 KG. MASSA
 MAX RIMORCHIO NON FRENATO 1000 KG,
 FREN.A INERZIA 4000 KG. TARA TRATTR.
 MIN/MAX: 2300/2525 KG. TRAZ.ASSE ANT
 DISINSERIB. IN ALTERN.PNEUS ANT/POST
 280/70R20 116A8+380/85R24 131A8; 260
 /70R20 113D+380/85R24 131A8; 280/70R
 16 102D OPP.112A8+360/70R24 122A8;
 260/70R16 101D OPP.109A8+360/70R24
 122A8; 8.3-20 95A6+14.9-24 128A6;
 8.3-20 95A6+12.4-28 122A6; 31X9.5-16
 113A6+43.5X13-20 122A6. CON PNEUS
 POST 380/70R28 AMMESSI SET ZAVORRE
 1,2,3,4; CON 380/85R24, 360/70R24 E
 14.9-24 AMMESSI SET 5,6; CON 12.4-28
 AMMESSI SET 7,8. SET ZAVORRE: N.SET/
 N.ZAV.ANT/N.ZAV.POST/MASSA TOT(KG):
 1/6/12/690, 2/6/8/510, 3/6/6/666,
 4/6/4/494, 5/6/6/420, 6/6/4/330,
 7/6/6/330, 8/6/4/270.