



PRODUCT SPECIFICATIONS

# SOUND SUPPRESSION FOR LIEBHERR T282B/C (MTU 20V4000)



## SOUND SUPPRESSION EXHAUST FOR T282B/C

Aletek's sound suppression exhaust system provides superior noise reductions and reduced TCO\* for T282B/C trucks. Our system resolves issues created by rear exit systems such as poor maintenance access and radiant heat issues (fatigue to wiring harness and hoses).

- Direct-fit with minimal welding
- Exhaust system mounts behind horseshoe and exits above wheels
- Easy install and remove with quick-release V-band connectors
- Dual-skinned design for MDG 15<sup>(1)</sup> compliance, removes the need for engine pipe/muffler blankets
- Retrofit dual-stage in 2 x 12hr shifts

\*Total Cost of Ownership



Superior noise suppression | Direct-fit with minimal mods | Acoustic engineered | Dual layers with insulated inner | Australian made | Sound Power Level tested | Dual-stage attenuation

### DUAL-STAGE EXHAUST PACKAGE

Exhaust Type	Multi-stage sound suppression exhaust system
Silencers	Primary & secondary silencers
Exhaust Placement	Side exit exhaust (solves issues created by rear exit designs)
Design Features	Streamlined design, snug-fit, dual-skinned piping and V-band connection joints
Referenced Standards	ISO 3744:2010, ISO 6393:2008, ISO 6395:2008, MDG 15 <sup>(1)</sup>



### OPTIONS: ADDITIONAL SUPPRESSION

1 Acoustic Engine Fan	Direct-fit, lightweight, adjustable blade pitch
2 Pumps	Tailor-made solution for reduced noise propagation
3 Blower Duct	Custom acoustic design
4 Engine Bay Panels	Quick-fit, acoustic insulation interior, fire suppression access

<sup>(1)</sup> MDG 15 Guideline for NSW



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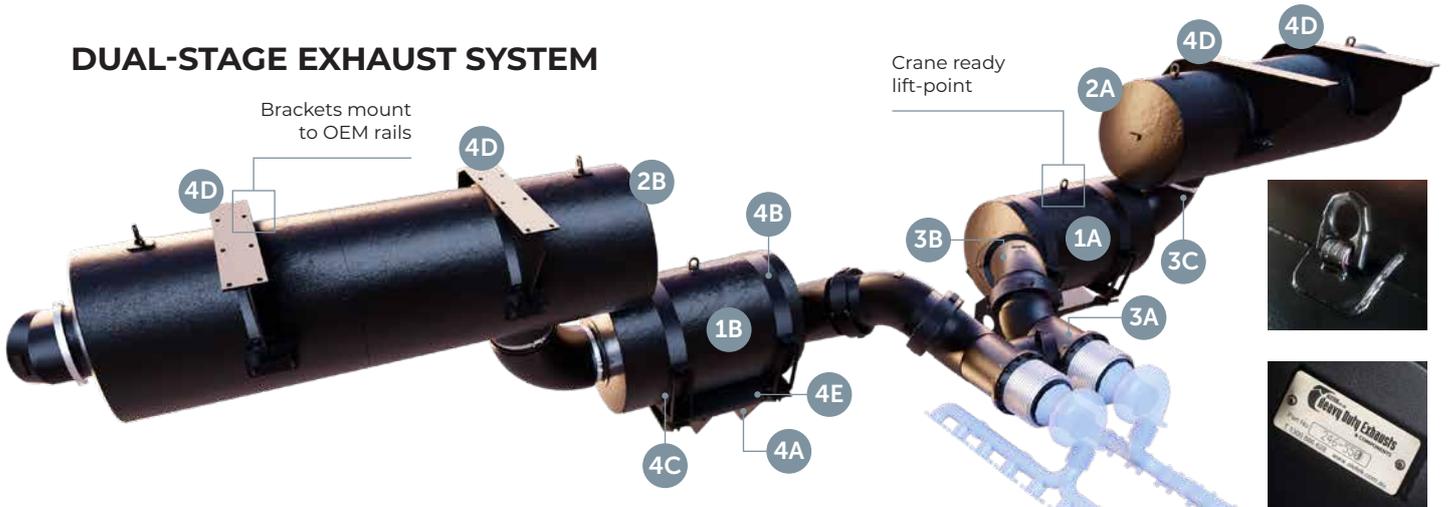
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# SOUND SUPPRESSION FOR LIEBHERR T282B/C (MTU 20V4000)

## DUAL-STAGE EXHAUST SYSTEM



### SOUND SUPPRESSION EXHAUST SPECS

Integration	Direct-fit to turbo, no major truck mods, minimal welding
Engine Pipe Specifications	2mm steel dual-skin, perforated inner skin, silica insulation
Performance	Low backpressure design
Attenuated Sound Power	SWL <sup>(2)</sup> 121 dB stationary rated power RPM, non-tonal
Fire Mitigation	MDG 15 <sup>(1)</sup> (150°C surface temp)
Warranty	12-months*



### 1 PRIMARY SILENCERS

#### Stage 1 sound suppression

1A Part No.	244-954 Cab side silencer
1B Part No.	246-550 Grid box side silencer



### 2 SECONDARY SILENCERS

#### Stage 2 sound suppression

2A Part No.	292-399 Cab side silencer/muffler
2B Part No.	205-990 Grid box side silencer/muffler



### 3 ENGINE PIPES

#### Dual-skin sound suppression engine pipes

3A Part No.	216-957 E/pipe
3B Part No.	230-442 E/pipe
3C Part No.	291-348 E/pipe



### 4 BRACKETS & MOUNTS

4A Part No.	208-324 Brkt base
4B Part No.	218-902 Brkt strap
4C Part No.	248-878 Bracket
4D Part No.	203-167 Bracket
4E Part No.	273-711 Vibration isolation mount

### ATTENUATED SOUND POWER RESULTS<sup>(A/B)</sup> (After)

Test Condition	L <sub>W</sub> <sup>(3)</sup>	L <sub>WA</sub> <sup>(4)</sup>	Site Limit (L <sub>W</sub> ) <sup>(3)</sup>
Stationary	☑ 121 dBL	116 dBA	123 dBL
Dynamic (uphill loaded)	☑ 123 dBL	117 dBA	123 dBL
Dynamic (downhill unloaded)	☑ 119 dBL	113 dBA	123 dBL

<sup>(1)</sup> MDG 15 Guideline for NSW <sup>(2)</sup> SWL (Sound Power Level)  
<sup>(3)</sup> L<sub>W</sub> (Linear Sound Power Level)  
<sup>(4)</sup> L<sub>WA</sub> (Linear Sound Power Level, A-weighted scale)  
<sup>(A)</sup>Independent test report available <sup>(B)</sup>Attenuated results with Aletek exhaust

