

PROBLEM: PREMATURE EXHAUST COMPONENT FAILURE

A multi-national client in North Queensland was suffering from reduced exhaust lifecycles.

Like many sites, their haul trucks operate in harsh, corrosive environments with rigorous operational stresses. This often leads to downtime and increased TCO (Total Cost of Ownership) due to premature component failure.

"A review of our work orders for exhaust systems highlighted vibration and corrosion as common problems." Bowen Basin Mine Site

Asset Management Planner

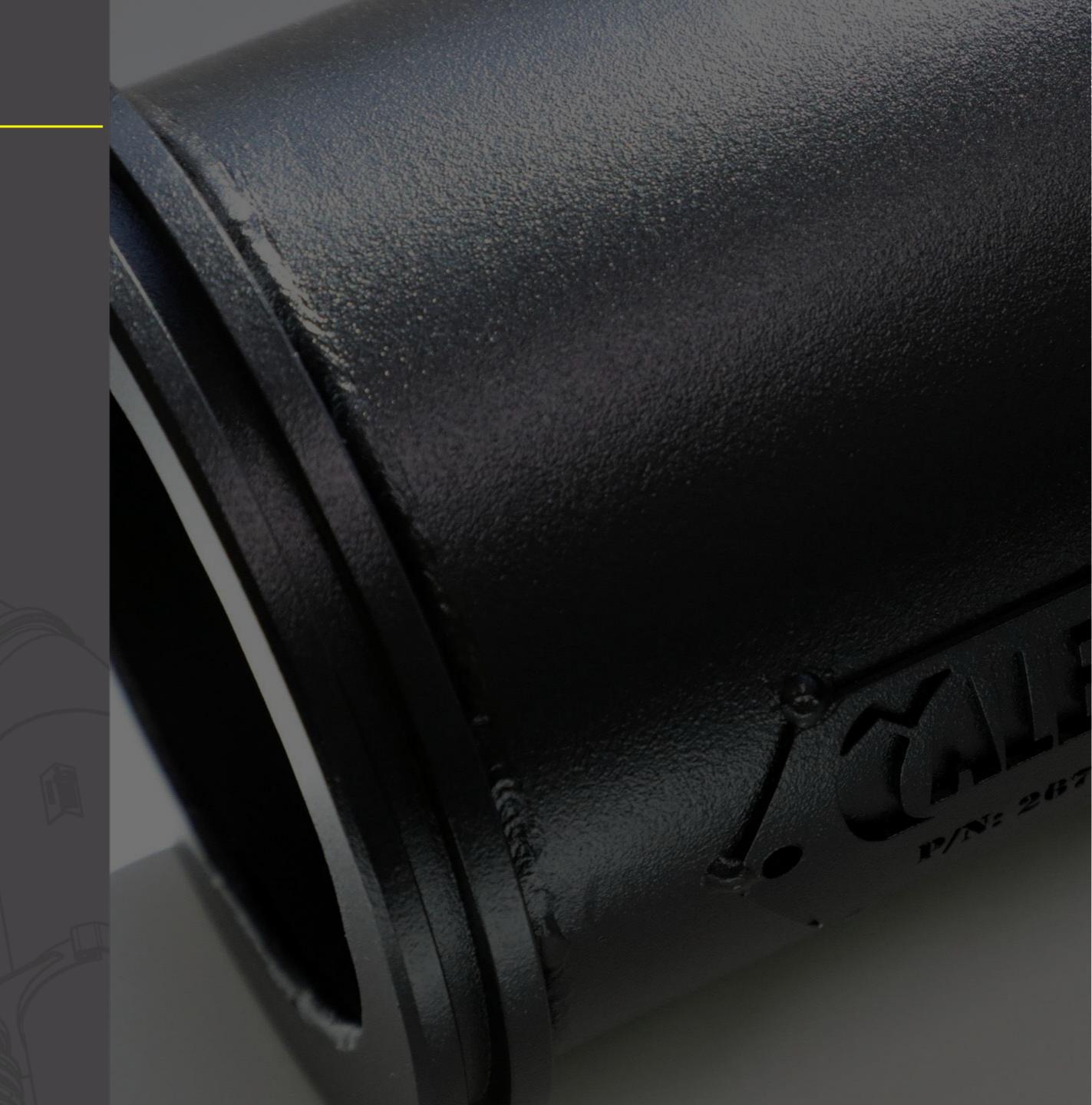




TECHNICAL INSIGHTS

ONSITE SOLUTION: ALETEK OEM EXHAUST UPGRADE

Aletek direct-fit exhausts are a strategic upgrade that can deliver an estimated 30% reduction in TCO (Total Cost of Ownership). Our exhaust components are fully interchangeable with OEM.





LOCATION: BOWEN BASIN MINE SITE

ASSET: CAT 793F (SSP)

SCOPE: FULL ALETEK EXHAUST KIT

01

02

03

04

0 HOURS

3 August 2015

Full exhaust system fitted to client's 793F

Machine hours: 18, 322

15,760 HOURS

8 February 2018

Bellow and 3 x engine pipes changed out

Machine hours: 34, 082

2.5 years in service

35,160 HOURS

1 June 2021

1 x muffler changed out

Machine hours: 53, 482

5.8 years in service

35,311 HOURS

3 August 2021

1 x muffler and 2 x engine pipes still intact

Machine hours: 53, 633

6 years in service







Aletek exhaust components after 6 years. Surface rust, but intact and remain fit for purpose.

793F EXHAUST COMPONENT RELIABILITY

Even with highly corrosive site conditions, the Aletek OEM Replacement Exhaust Upgrade exceeded onsite expectations.

BELLOW, 3 x E/PIPES 15,760 HRS (2.5 YRS)

1 x MUFFLER 35,160 HRS (5.8 YRS)

1 x MUFFLER, 2 x E/PIPES 35,311 HRS (6 YRS)

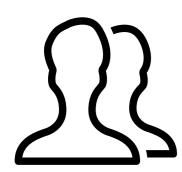
"Part of Aletek's exhaust kit was intact, without cracking or defects, after 35,000 hours and 6-years in service. This is awesome!"

Rowan Bowder
Technical Product Manager



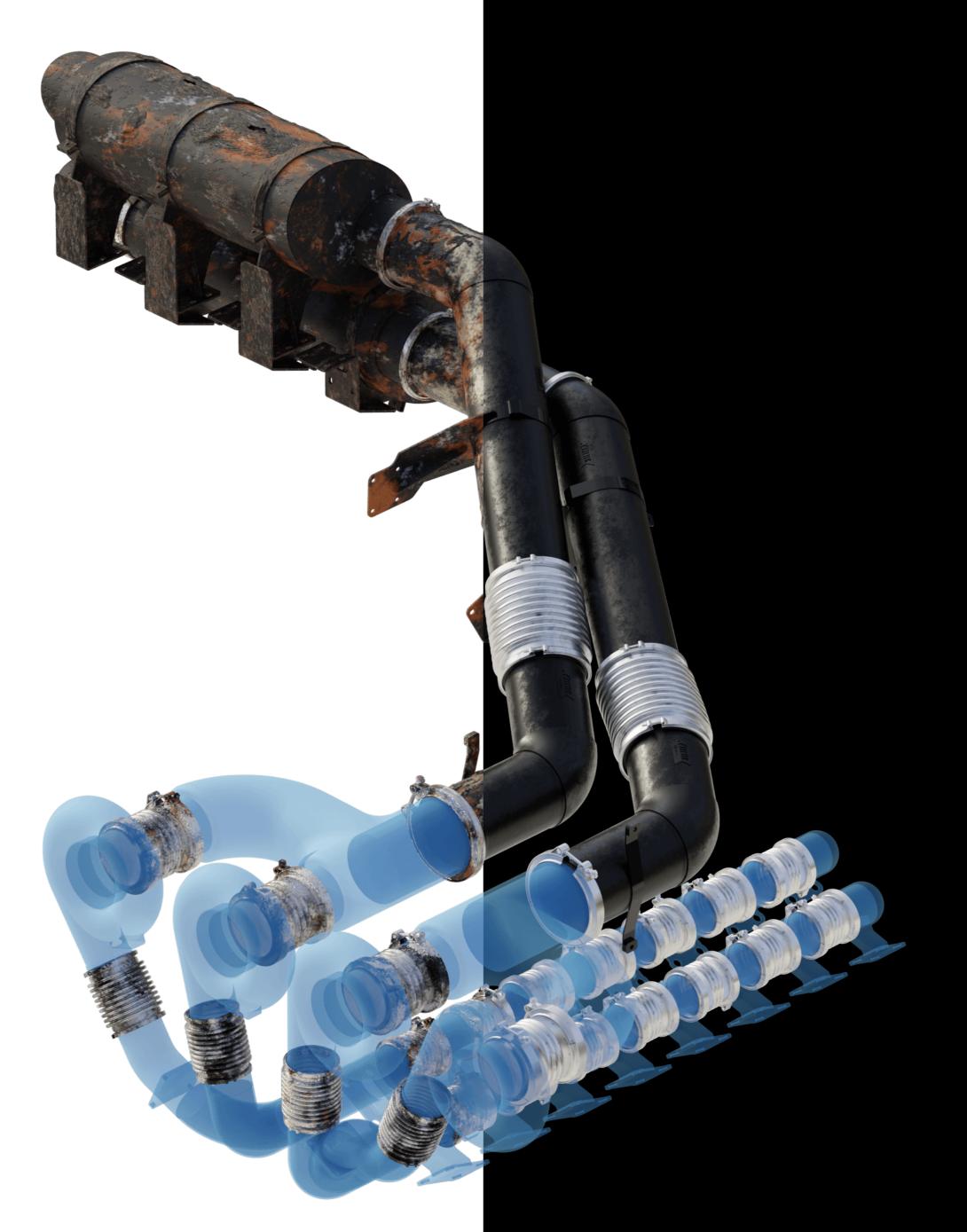
PROVEN DURABILITY

Up to 6-years lifecycle verified on parts of our 793F exhaust kit



EASE OF FITMENT

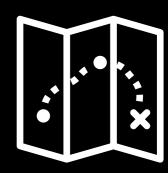
Technical support, user guides and training available





DIRECT-FIT SYSTEM

Aletek exhaust components are interchangeable with OEM parts



EXHAUST UPGRADE

Invest in an Aletek exhaust for reduced downtime and TCO

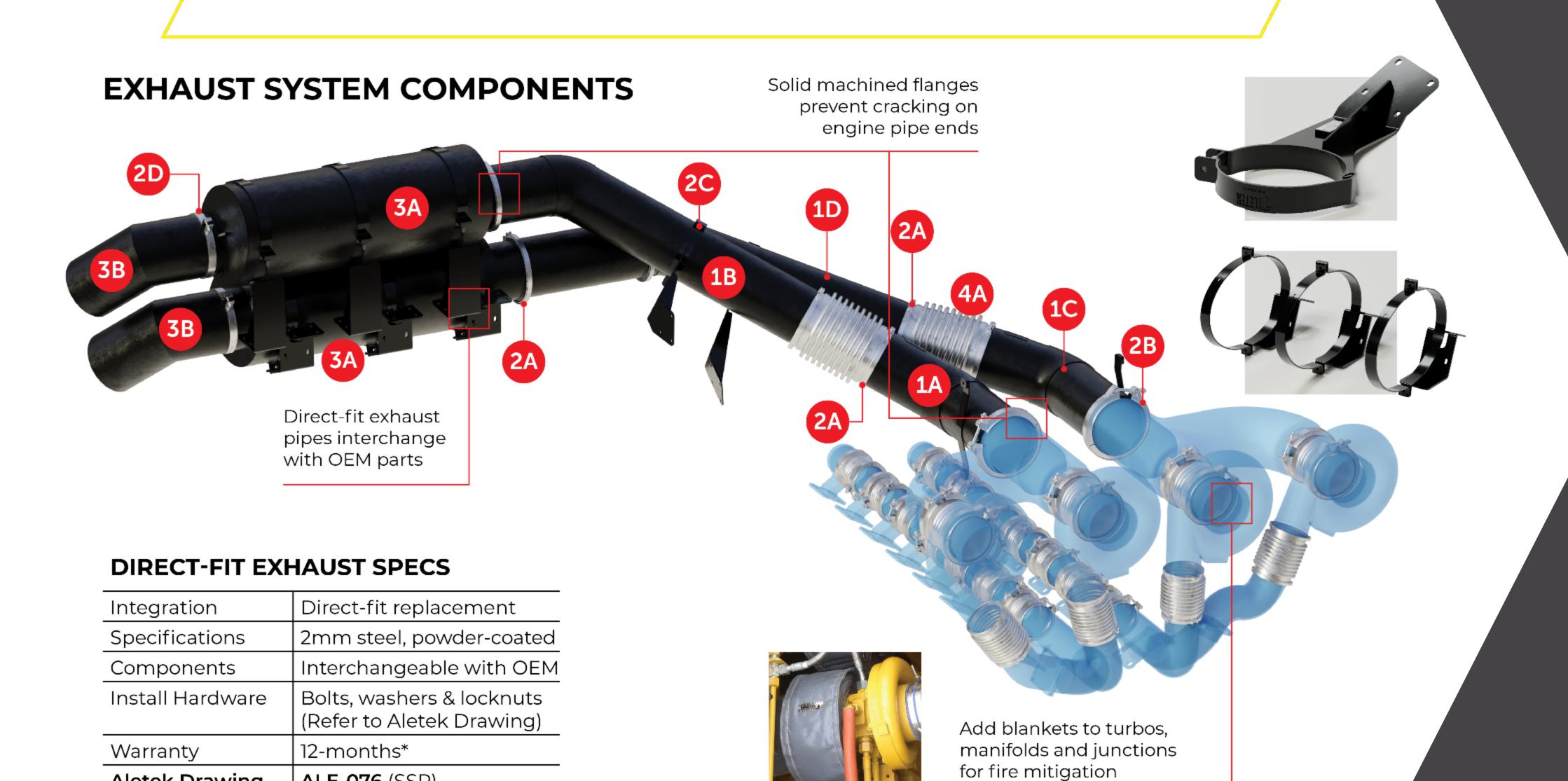


EXHAUST UPGRADE FOR CAT 793F

- Solid machined flanges prevent cracking on engine pipe ends
- Strategically located vent ports prevent failure of inner pipe wall
- Compatible with Cat engine specifications
- Exhaust pipes and components are 100% interchangeable with OEM parts
- Australian designed and manufactured
- Superior quality materials, fabrication and workmanship
- In stock commitment for less downtime



793F DIRECT-FIT EXHAUST



ALE-076 (SSP)

Aletek Drawing

793F DIRECT-FIT EXHAUST



1 ENGINE PIPES & BELLOWS

Part Name	Aletek Part #	OEM Part #
Engine Pipe	286-227	592-7650
B Engine Pipe	240-487	592-7651
Engine Pipe	251-170	592-7649
1 Engine Pipe	213-396	592-7648
4A Bellow	209-195	242-0799

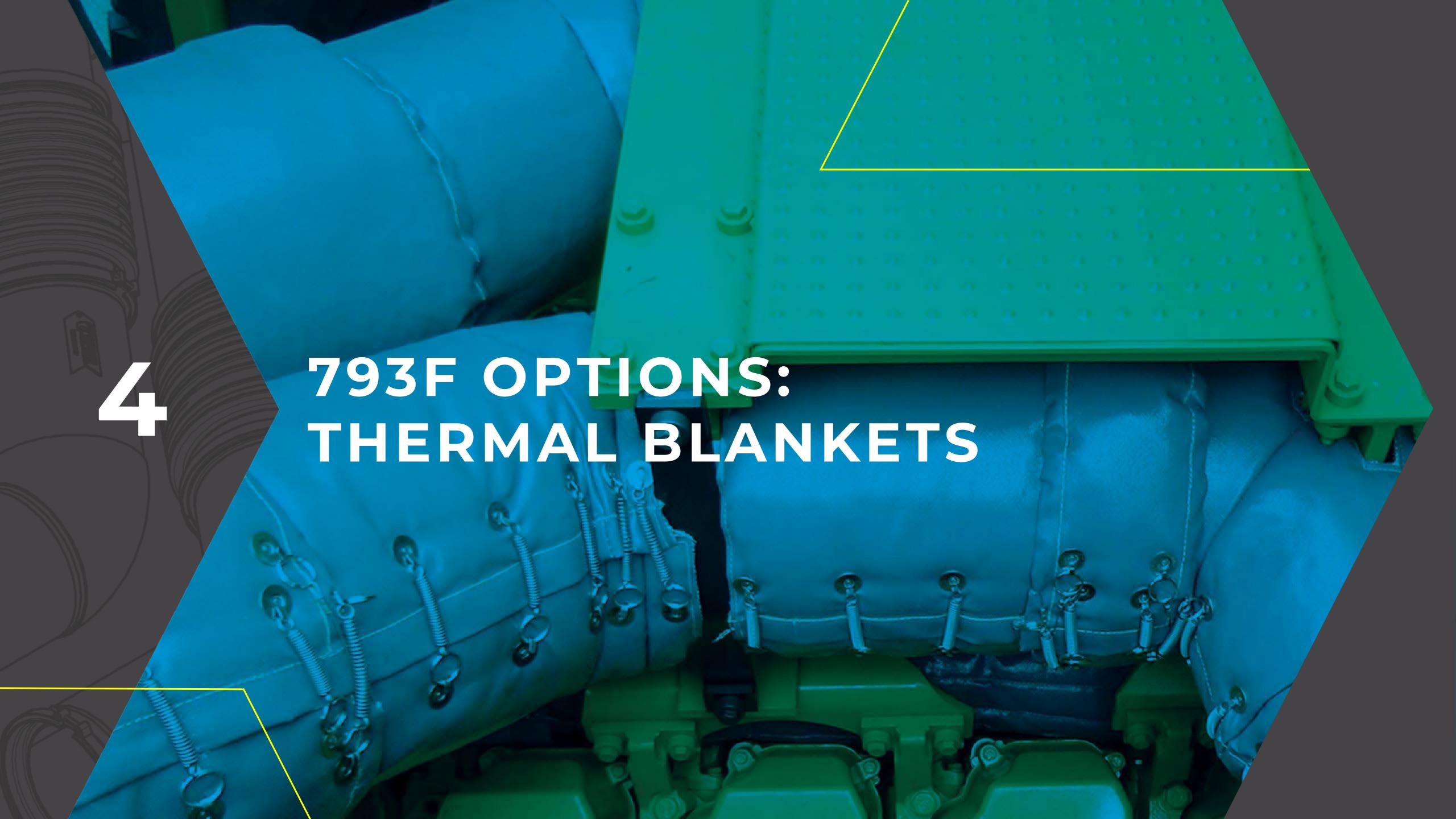


2 V-BANDS & CLAMPS

Part Name	Aletek Part #	OEM Part #
2A V-Band Clamp	373-198	302-8136
2B V-Band Clamp	327-127	337-1809
2C Strap	205-414	242-9806
2D HDC Clamp	377-494	6N-9298

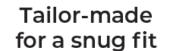
3 MUFFLERS

Part Name	Aletek Part #	OEM Part#
3A Muffler	209-381	499-2193
3B Tail Pipe	256-531	291-9649











Non-itch silica insulation



Quick-fit springs



Essential for fire mitigation



Australian made

OVERVIEW

BLANKET UPGRADE FOR CAT 793F

- Essential for fire mitigation
- Worker safety and protection of your investment in people
- Less engine fires, site shutdowns and insurance premium hikes
- Quick-fit springs are pre-fitted for faster installs and perfect tension
- Lobster-back design for superior fitment on pipe bend sections
- Designed from 3D scans







