

REPORT LEVEL 2 · FOR THE CLIENT

SUPPLIER RISK PROFILE

MUSTERGUSS ALUMINIUM GMBH

SUPPLIER ASSESSED	Musterguss Aluminium GmbH (fictitious), single site in southern Germany, aluminium die casting with machining, approx. 400 employees, revenue €75–100m
CLIENT	Beispiel Antriebstechnik AG (fictitious), Purchasing / Supplier Management
OCCASION	Securing a single-source supply of gearbox housings; planned 15 % increase in call-off volumes from Q2/2027
SCOPE	Day-1 Supplier: 7 analysis areas, 52 checkpoints, segment benchmark for light-metal die casting Optional module: VDA 6.3 process audit P5–P7 (series production), product scope gearbox housings AISi9Cu3
ON-SITE VISIT	15 Sep 2026 (one day, results briefing the same day) · Report date 22 Sep 2026 · valid until 30 Sep 2027
TEAM	Forge & Seam: 2 experts in operations / procurement, plus 1 certified VDA 6.3 process auditor working in parallel



APPROVED
WITH CONDITIONS

The supplier can deliver today's call-off volumes. It currently lacks the headroom for the planned 15 % increase. The three 2,500 t casting cells that produce the housings run at 93–96 % utilisation, and two of the eight cells show a significant maintenance backlog. Process maturity and customer support are solid (VDA 6.3: 84 %, rating B). The financial position is stable, but capital expenditure has been below the segment benchmark for three years.

DELIVERY CAPABILITY TODAY ● assured On-time delivery 93 %, below benchmark	CAPACITY +15 % ● not secured 2,500 t cells without headroom	PROCESS MATURITY ● VDA 6.3: B Compliance level 84 %	FINANCIAL STABILITY ● stable with investment backlog
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THE THREE KEY FINDINGS

- 1 Capacity:** The volume increase cannot be delivered without repairing cell GZ-08 and moving third-party parts to other cells. A breakdown of any 2,500 t cell hits the housings directly.
- 2 Equipment and dies:** Die life at 68 % of target, porosity scrap above the segment benchmark. The cause is a maintenance backlog, not a design problem.
- 3 Dependencies:** Around 80 % of the alloy comes from a single remelting plant; the head of the foundry has no deputy.

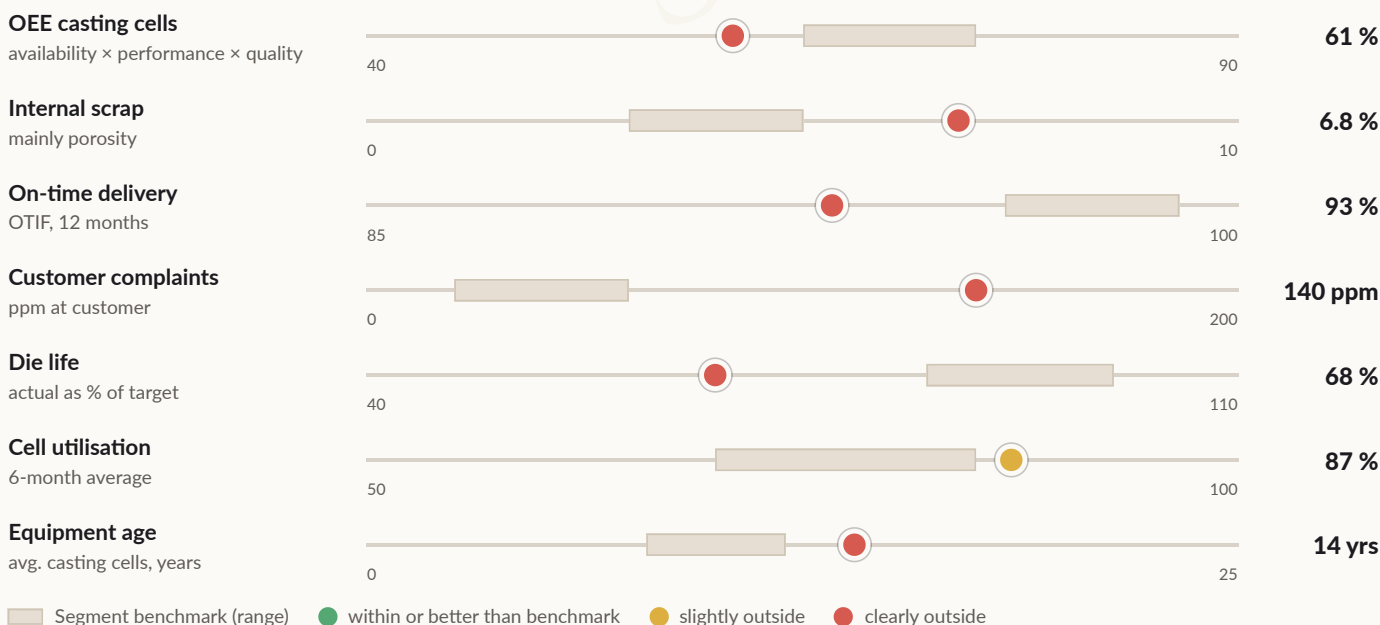
1 RISK PROFILE BY ANALYSIS AREA

Traffic light from the client's point of view: how strongly does this area affect security of supply over the next 24 months?

● Production footprint Site, capacity	Single site, no backup capacity for 2,500 t parts. Average cell utilisation 87 %. Fire protection and business interruption insurance in place.
● Operations excellence OEE, quality, equipment	OEE 61 %, scrap 6.8 % (mainly porosity), die life 68 % of target. Two cells with unplanned downtime of more than 48 h in the last 12 months.
● Strategic sourcing Sub-suppliers, raw materials	Approx. 80 % of AlSi9Cu3 from one remelting plant. LME-linked price adjustment clause in place. Electricity and gas fixed until 12/2027.
● Commercial & pricing Customer structure	Top 3 customers account for 55–65 % of revenue; the client's share is 15–25 %. Energy and alloy surcharges agreed with two of the three main customers.
● Finance & liquidity Stability, investment	Cash runway 3–6 months, credit lines extended until 2028. Capex ratio below the segment benchmark for three consecutive years.
● Business development Future viability	50–60 % of revenue from components for combustion engines and transmissions. Enquiries for e-motor housings are on the table, but a cell above 3,000 t for structural parts is missing.
● Organisation & people Key people	Head of foundry without a named deputy. Caster turnover 11 %, maintenance team with two open positions.

2 POSITION AGAINST THE SEGMENT BENCHMARK

Light-metal die casting, DACH region, €50–150m revenue. Benchmark values in this sample are illustrative.



3 CAPACITY AND EQUIPMENT CONDITION

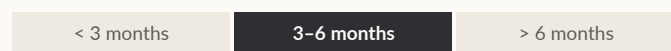
CELL	CLAMPING FORCE	YEAR BUILT	UTILISATION (LINE = 85 %)	CONDITION
GZ-01	840 t	2017	78%	● good
GZ-02	840 t	2009	81%	● controls discontinued
GZ-03	1,600 t	2004	88%	● 2 stoppages > 48 h
GZ-04	1,600 t	2012	84%	● maintenance overdue
GZ-05	1,600 t	2019	83%	● good
GZ-06 CL	2,500 t	2010	95%	● no vacuum
GZ-07 CL	2,500 t	2015	93%	● good
GZ-08 CL	2,500 t	2008	96%	● hydraulics, leaks

Utilisation: rolling average over the last 6 months, 3-shift operation, 5 days a week. Above 85 % there is no headroom for breakdowns or call-off peaks. CL = cell produces parts for the client.

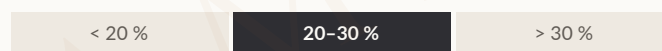
4 FINANCIAL STABILITY AND DEPENDENCIES

At this report level, financial figures are shown in bands only.

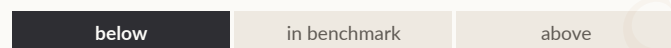
Cash runway



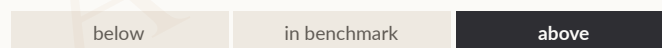
Equity ratio



Capex ratio vs. segment



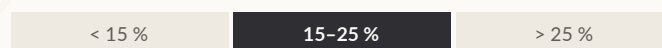
Energy cost share vs. segment



Revenue share of top 3 customers



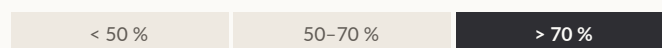
Client's share of revenue



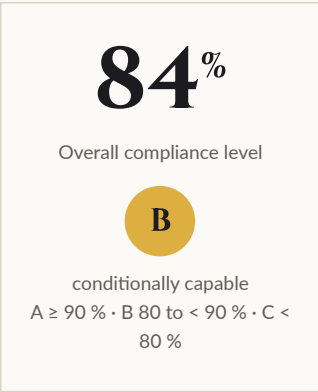
Revenue from combustion / transmission parts



Largest alloy sub-supplier



5 VDA 6.3 PROCESS AUDIT (OPTIONAL MODULE)



Lines at 80 % and 90 %. Downgrading rules under VDA 6.3 checked; the rating remains B. Deviations concentrate on P6.4 (maintenance of casting cells and dies, spare parts stock) and P6.2 (porosity control).

6 CONDITIONS AND SUPPLIER ACTIONS

PRIORITY	ACTION	DEADLINE	STATUS
high	Repair plan for GZ-03 and GZ-08, including spare parts stock for hydraulics and controls	31 Dec 2026	open
high	2,500 t capacity plan for a +15 % call-off scenario, including moving third-party parts to GZ-07	31 Jan 2027	open
medium	Die maintenance by shot count, clear the backlog, target die life ≥ 85 % of target	31 Mar 2027	in progress
medium	Porosity: vacuum assistance on GZ-06 and GZ-08, CT sampling of every 50th part	31 Mar 2027	in progress
medium	Name a deputy for the head of foundry, document a succession plan	31 Dec 2026	open
normal	Qualify a second source for AlSi9Cu3 (target: max. 60 % from one remelting plant)	30 Jun 2027	open

The actions were agreed with the supplier's management. The client receives the implementation status at the short review after 6 months.

7 APPROVAL RECOMMENDATION TO THE CLIENT

Scale: approved · approved with conditions · not approved. Result here: approved with conditions.

- 1 Keep the approval for current parts. Process maturity and delivery performance support today's volume.
- 2 Commit to the volume increase only once actions 1 and 2 are evidenced (repairs, capacity plan), at the latest at the short review in March 2027.
- 3 Agree a 3-week safety stock for the gearbox housings until Q2/2027.
- 4 Have dies owned by the client prioritised in the supplier's maintenance plan.
- 5 Short review after 6 months (action status, ½ day) and re-assessment after 12 months.

8 WHAT THIS REPORT CONTAINS AND WHAT IT DOES NOT

INCLUDED (LEVEL 2)	ONLY IN THE FULL REPORT FOR THE SUPPLIER
• Risk rating per analysis area • Performance, quality and capacity metrics • Financial stability in bands • VDA 6.3 result with process elements • Conditions with deadline and status	• Margins and cost calculations • Hourly rates and cost structure • Purchase prices and supplier terms • EBIT potential in euros • Detailed answers to the VDA questions

This separation is part of the engagement: the supplier opens its books in full, and the client receives a robust view of the risk without cost details.

METHODOLOGY, INDEPENDENCE, LIABILITY

Methodology. Data collected through a site walk, interviews with management, foundry, quality, maintenance and purchasing, and the supplier's documents (cut-off date 31 Aug 2026). The assessment is benchmark-based and indicative. Selected findings were verified on site; others are based on information provided by the supplier and are marked accordingly.

Fact check. The supplier reviewed the report for factual accuracy before handover. Assessments were not changed in the process.

Independence. Forge & Seam has held no consulting mandate with the supplier in the last 12 months and will not accept one on the topics assessed in the next 12 months unless the client agrees in writing. Fees are independent of the result.

Disclosure and liability. This report is intended solely for the client. Disclosure to third parties only with the consent of both client and supplier and against a written disclosure acknowledgement. Liability in accordance with the general terms and conditions of Forge & Seam GmbH.

DAY-1 SUPPLIER FITNESS CONFIRMATION

MUSTERGUSS ALUMINIUM GMBH

Aluminium die casting with machining · Site in southern Germany

OVERALL RATING	VDA 6.3 (OPTIONAL)	VALID UNTIL
● Approved with conditions	B • 84 %	30 Sep 2027

On-site assessment on 15 Sep 2026 using the Day-1 Supplier method (7 analysis areas, 52 checkpoints, segment benchmark) and VDA 6.3. This confirmation summarises the result and does not replace the report. Forge & Seam GmbH will answer any queries about its authenticity.

SAMPLE