

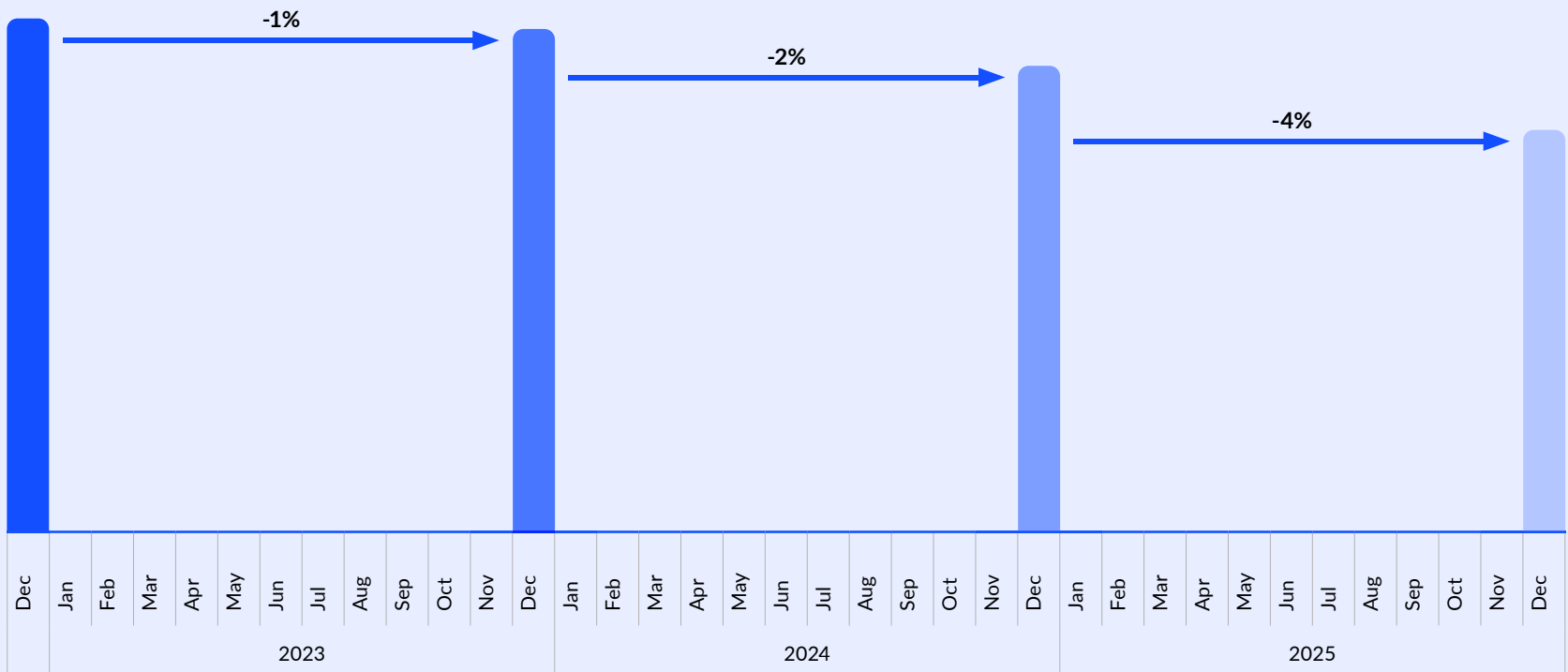
REMAN QUALITY

Improvements 2024-2025

Reman portfolio

Field Failure Rate trend 2023-2025

The chart highlights a continuous three-year reduction in the Field Failure Rate, calculated as the proportion of failures by Reman units sold. This steady improvement reflects a higher level of reliability and quality in Reman products, delivering increased value to customers.



Reman turbocharger



Reman turbocharger

Issue - Reman process improvement

Since the end of 2025, the turbocharger remanufacturing process has been internalised at the Garchizy plant and is now managed by IVECO technicians, replacing the previous external supplier. This improves the process, ensures higher quality and a reduction in failure modes.

01

Issue Configuration

Observations

- Main failure modes:
1. Actuator issue
 2. Low performance
 3. Oil leakage

02

Root Cause

Analysis

- New remanufacturing process introduced with different quality improvements to reduce the occurrence of various failure modes:
- **Enhanced Inspection & Quality checks:** we have increased the number of control points in our wastegate actuator checks to ensure flawless performance
 - **Advanced Cleaning & Preparation:** upgraded washing process with the introduction of a second washing phase for superior product cleanliness. Consequently, our improved sandblasting technology preserves the original component's strength, leading to a more reliable and durable turbocharger
 - **Improved reverse-engineering program:** a larger number of tests on OE parts ensures our remanufactured units are built to the exact tolerances of the original parts

03

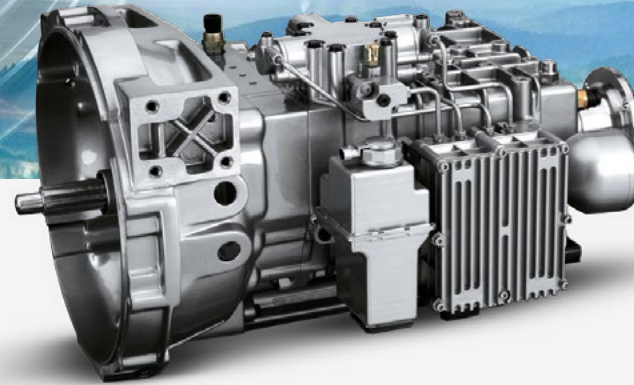
Solution

Conclusion

Other quality methods introduced:

- **Remanufacturing the latest release of OE component** → If there are quality improvements on genuine turbochargers, Reman production will adhere to the updated design
- **Engine-Tested for Proven Performance** → we validate our turbochargers with rigorous hot testing on actual engines, certifying that their performance is indistinguishable from a new genuine unit
- Clear differentiation of the turbos including these improvements, with 100% new Reman part numbers released

Reman gearbox ZF



TraXon gearbox

Issue - Impossible programming
PN 500079992/500079828

01

Issue Configuration

Observations

- Autonomous programming not possible at dealer workshop

02

Root Cause

Analysis

- **Root cause:** VIN not empty in retarder ECU blocks autonomous programming with easy/UDT. Teleservice is required to unlock the ECU
- The Reman retarder ECU VIN field was filled with the "VIN" digits due to ZF request to have traceability between new and Reman control units

03

Solution

Conclusion

- Reviewed dummy software configuration of Reman gearbox control unit
- Tested successful programming with empty VIN field
→ new dummy software procedure implemented
- Issue solved in July '25

HI-MATIC DAILY automatic gearbox

Issue - Gear shifting
PN 500079854/500079858



01

Issue Configuration

Observations

- Most common error triggered in ECU is: 07F02E-04 → Impossible gear shift

02

Root Cause

Analysis

- Failure mode is common in the genuine gearbox due to the mechatronic unit failure

03

Solution

Conclusion

- Implementation of use of 100% new mechatronic units
- This change together with the replacement of the majority of mechanical components, with new original equipment parts ensures the same reliability as the genuine gearbox

Reman ATS & DPF

DPF

Issue - Low efficiency



01

Issue Configuration

Observations

- Sand presence inside DPF
- Damaged parts

02

Root Cause

Analysis

- **Sand presence inside DPF:** the sand found is a residue of the oven treatment
- **Damaged parts:** found some cases of DPF filters delivered damaged after shipment (bent casing, damaged substrate)

→ 100% of IVECO stock checked to block any non-conformity

03

Solution

Conclusion

1. Dedicated check to avoid cases in which excessive residue is present in the DPF → January 2026
2. Improved packaging to avoid transportation damage on Reman DPF → October 2025
3. Filter efficiency is ensured by the different quality checks done after Reman process that include:
 - **Weight check** → to verify cleaning effectiveness
 - **Differential pressure check** → to avoid clogging issues
 - **Light check** → to ensure substrate integrity (improved machine introduced in February 2026)



Catalytic silencer

Issue - Cleanliness



01

Issue Configuration

Observations

- Customer complained about poor aesthetical condition in a few remanufactured ATS

02

Root Cause

Analysis

- Reman industrial cleaning processes couldn't ensure adequate restoration based on core quality variability
- Customer experience is not impacted, with performance and reliability of Reman ATS not affected by external metal conditions

03

Solution

Conclusion

- Implementation of new and additional cleaning technology that improves the product appearance
→ February 2025 on TECTOR 6 STEP C
and extended in July 2025 to the complete ATS portfolio and new launches



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