

Vendor Performance & Announcement December 2018

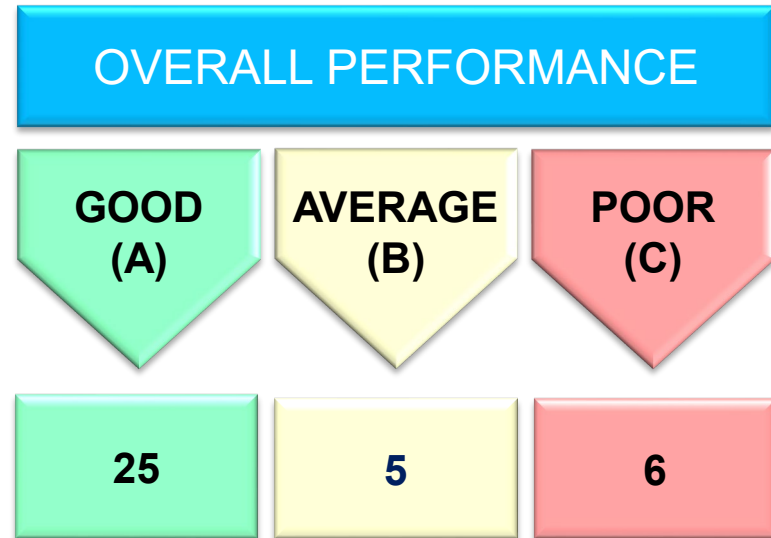
Mr. Sander Willems, Strategic Purchasing

Mrs. Sandra Voordeckers, Supplier Quality Assurance

Mr. Ted Witteveen, Supply Chain Management

Performance December 2018

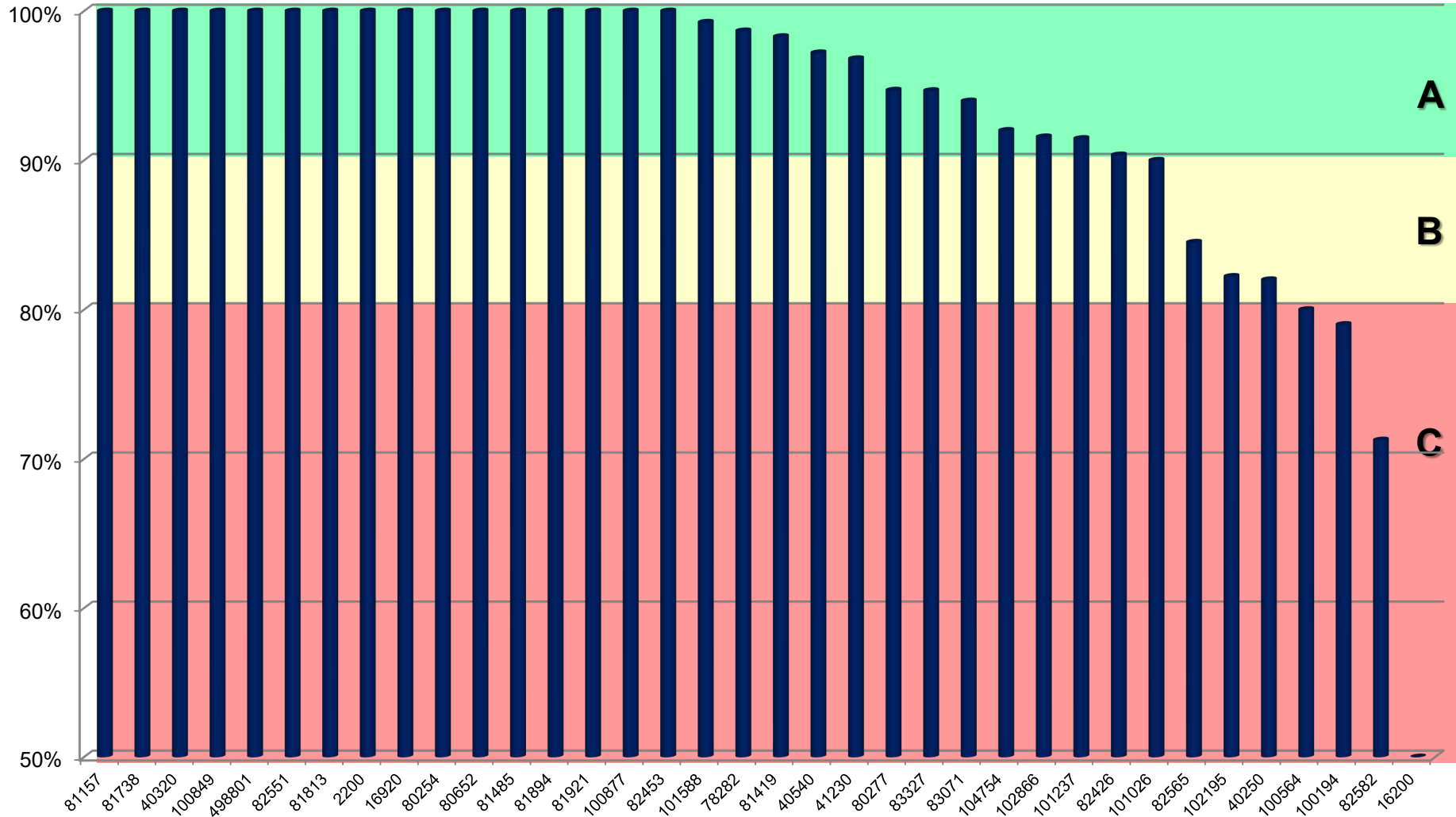
Total component
Vendors (for
production)
36



TOP 4 VENDORS	BOTTOM 4 VENDORS
82426	83327
81419	101237
81157	80277
81738	82453

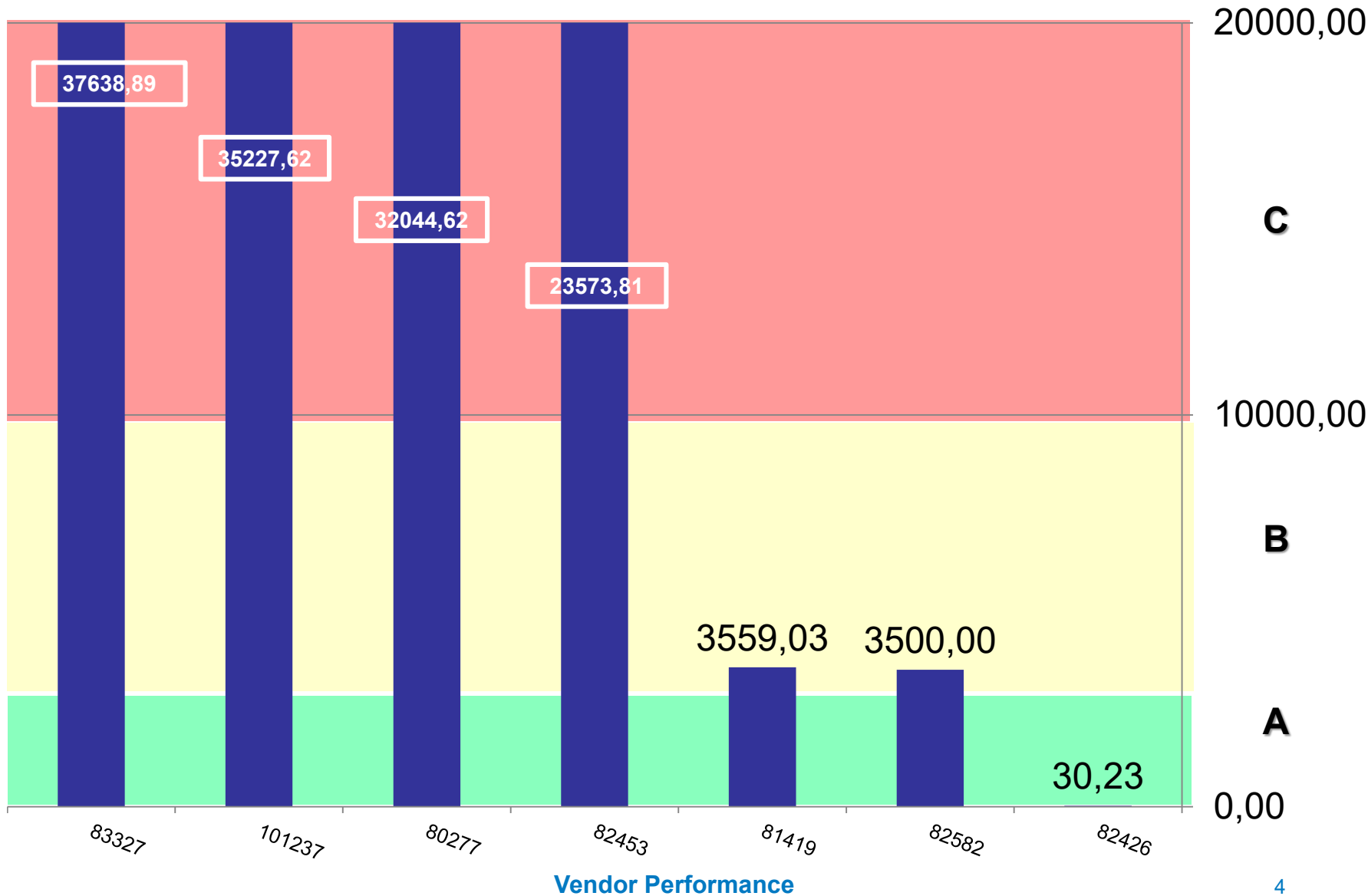
Logistical Clip Measurement

December 2018



Quality Measurement

December 2018



Announcement : Red Vendors

- Supplier Improvement Programs:
- 101237 and 80277 VT5 drawings are being revised together with supplier for manufacturability
- 83327. VT5 Quality feedback has been discussed, actions ongoing
- 82453. VT5 Quality feedback has been discussed, actions ongoing

These Red Vendors will, together with Punch Powertrain Strategic Purchasing, investigate and present the **cause and counter measure report to Punch Powertrain Sint-Truiden**

Definition PPM

- PPM (Parts per million) is a measurement used by Punch Powertrain to measure quality performance.
- Definition: One PPM means one (defect) in a million or 1/1,000,000
- The Punch Powertrain rate for most automotive supplies is targeted at 25 PPM or 0.0025%. To calculate: For example, let's say you had 25 pieces defective in a shipment of 1,000 pieces. $25/1000 = .025$ or 2.5% defective. $.025 \times 1,000,000 = 25,000$ PPM.
- 2018 PPM target ≤ 25 PPM (or contractually agreed otherwise)

Definition CLIP

- CLIP (Confirmed Line Item Performance) is a measurement used by Punch Powertrain to measure delivery performance between the supplier and Punch Powertrain Sint-Truiden.
- Definition: The KPI measurement considers all deliveries in a specific month versus delivery due date when:
 - The delivery arrives within a 3 day window + and - of the requested date ; And if the received quantities are +/- 10% of the requested quantity. The CLIP target is currently defined > 90%.
- Starting 1 January 2018 The CLIP KPI will be sharpened in such a way that Punch Powertrain only accepts too early deliveries in a 3 day window, but not anymore too late deliveries (+3 days). CLIP target for 2018 is > 95%.

Punch Powertrain

