

DOCUMENTATION

Vendor Performance & Announcement August 2021

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CLIP/PPM Performance

August 2021

Total component vendors
CLIP (for production)
45

CLIP RANKING

- 0%-98% → C
- 98%-99% → B
- 99%-100% → A

TOP 4 CLIP VENDORS

BOTTOM 4 CLIP VENDORS

101026

100849

82453

100920

80515

498801

40250

101237

OVERALL CLIP PERFORMANCE

GOOD (A)

3

AVERAGE (B)

1

POOR (C)

41

Quality ranking: Average last 3 months

Supplier	PPM	Percentage	PPM Class
498801	465	63%	C
101237	184	25%	C
80277	60	8%	B
83327	32	4%	B

OVERALL QUALITY PERFORMANCE

GOOD (A)

41

AVERAGE (B)

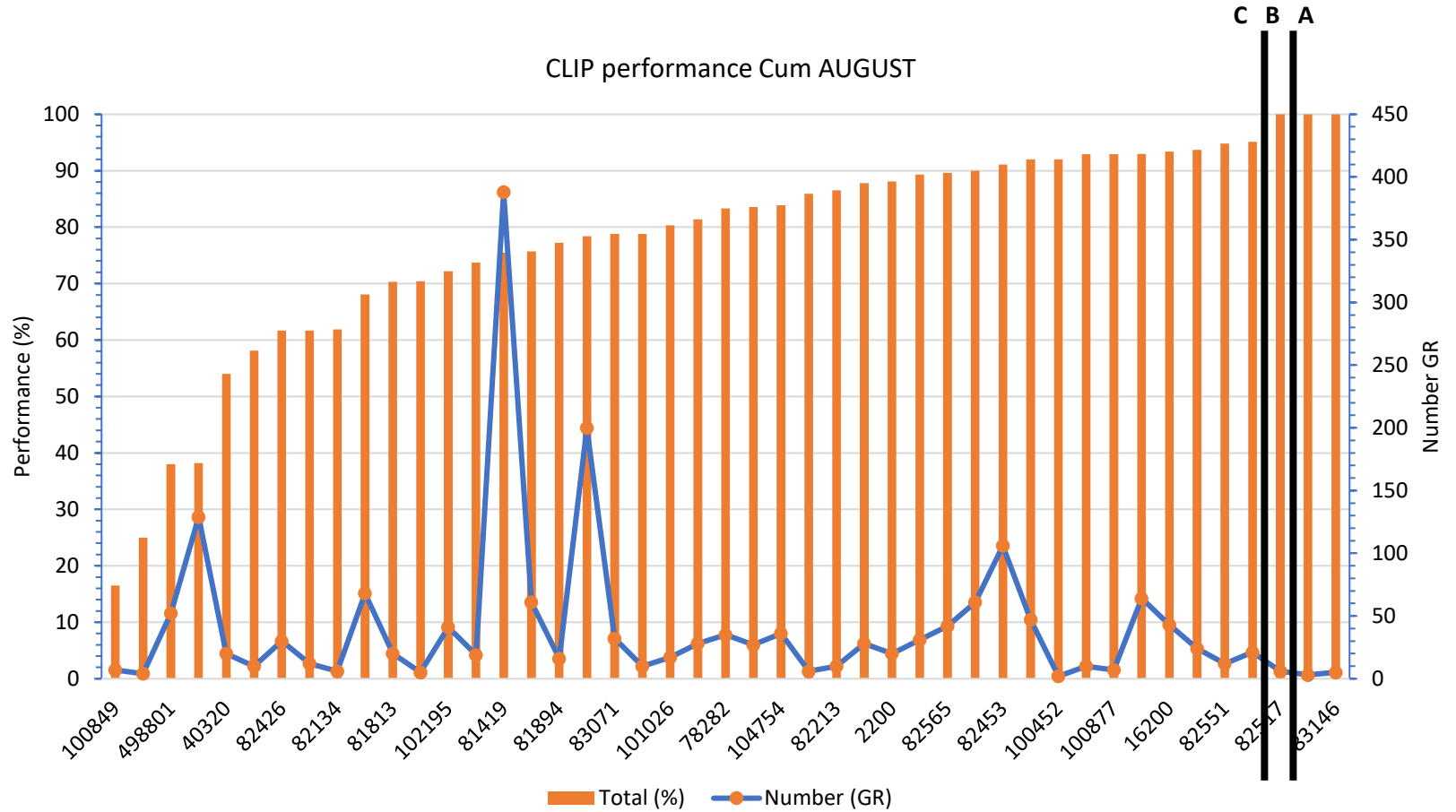
2

POOR (C)

2

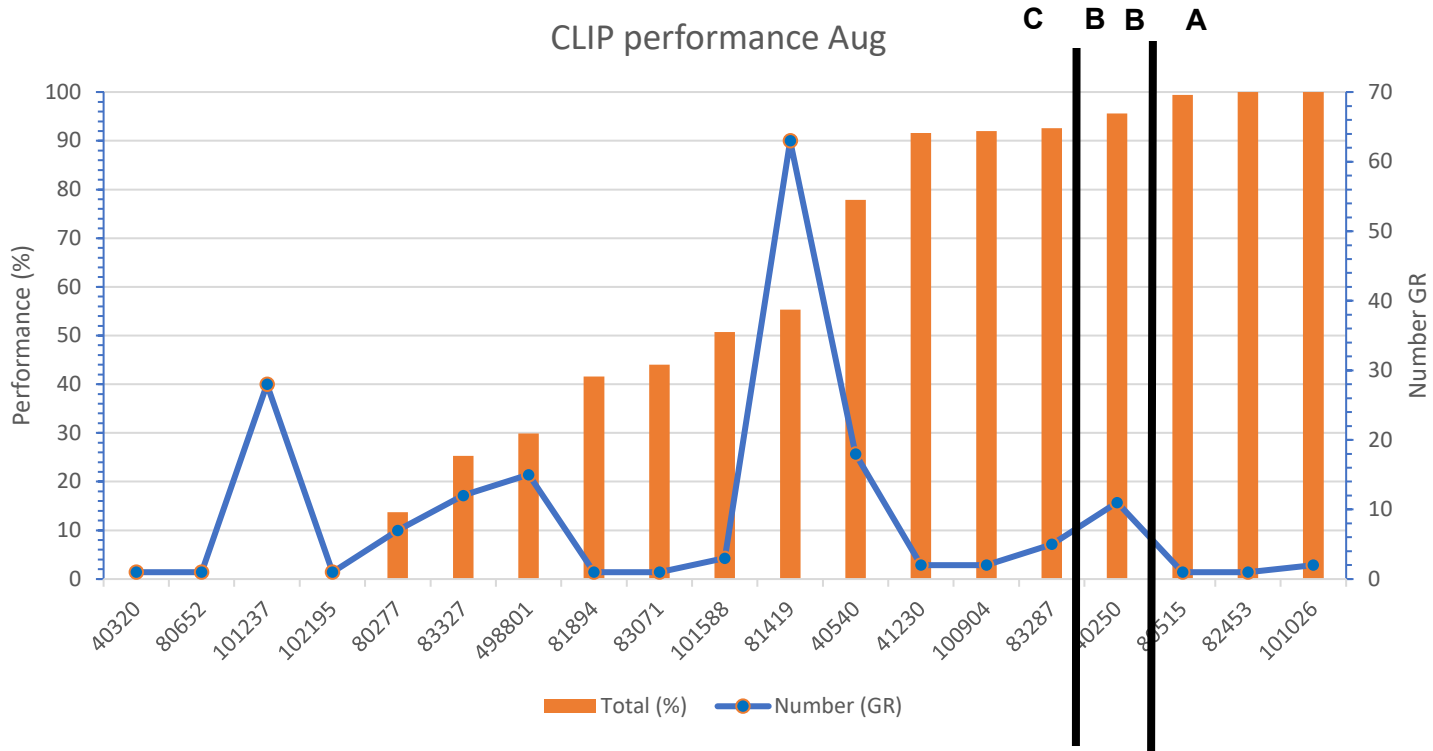
Logistical Clip Measurement

2021 cumulative total



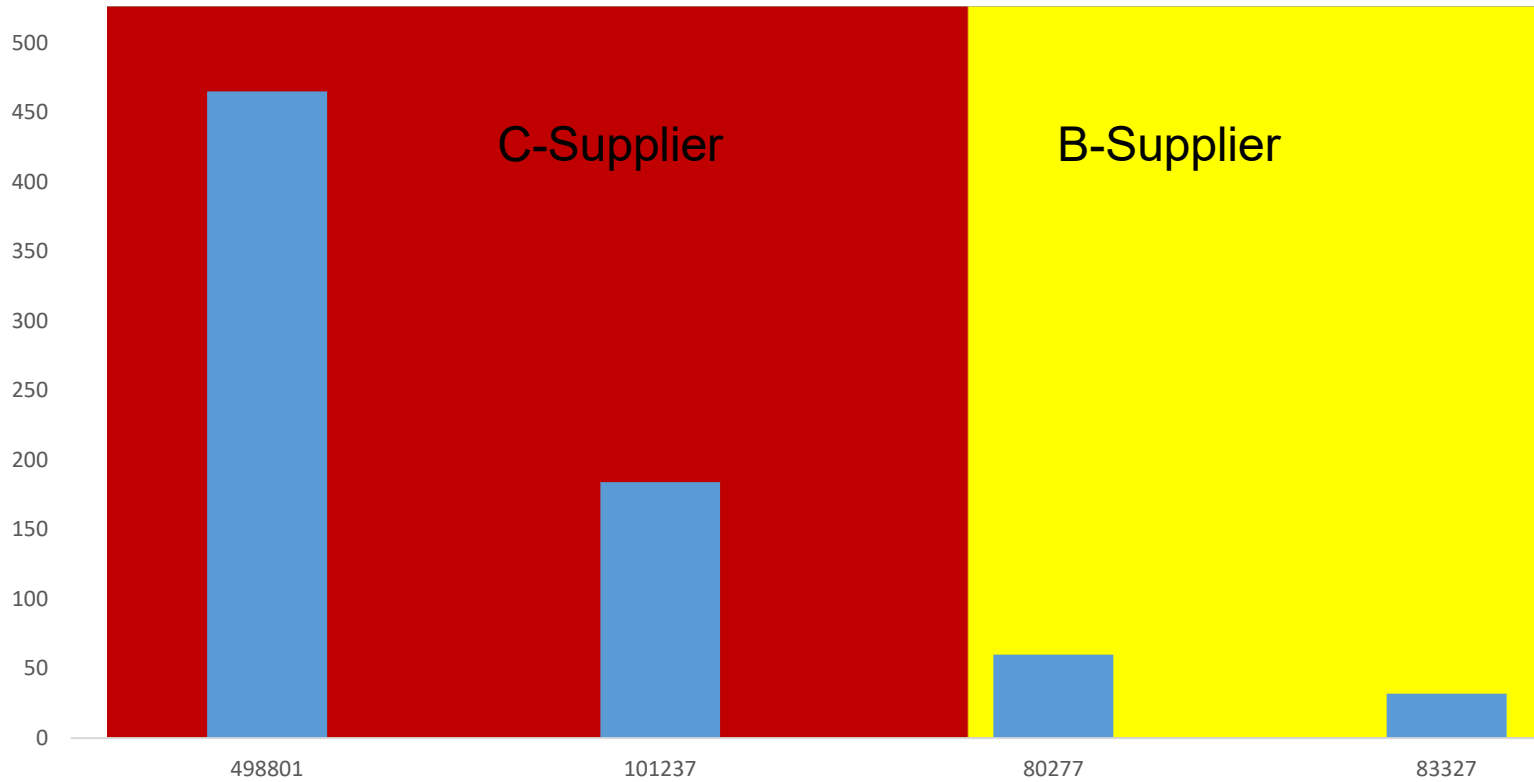
Logistical Clip Measurement

August 2021



Supplier PPM last 3 months (Jun/Jul/Aug)

Supplier PPM-performance



Announcement Red Vendors

Vendor 101237: Rust & dimensional issues

For these Red Vendors the Punch Powertrain purchasing dept will start up a 'Supplier Improvement Programm'

Definition PPM

PPM (Parts per million) is a measurement used by Punch Powertrain to measure quality performance.

Definition: One PPM means one defect on a million pcs or $1/1.000.000$

The Punch Powertrain rate for most automotive suppliers 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.
 $25/1000 = 0,025$ or 2,5% defective ; $0,025 \times 1.000.000 = 25.000$ PPM.

2021 PPM target ≤ 25 PPM (or contractually agreed otherwise).

Complaints are documented on delivery date of the parts.
PPM's are calculated as average of the last 3 months

Punch Powertrain

