

DOCUMENTATION

Vendor Performance & Announcement September 2021

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CLIP/PPM Performance

September 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

101588

80515

82565

81485

83327

83071

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
101237	587	39%	C
498801	433	29%	C
80277	235	15%	C
81485	227	15%	C
81419	35	2%	B

OVERALL QUALITY PERFORMANCE

GOOD
(A)

40

AVERAGE
(B)

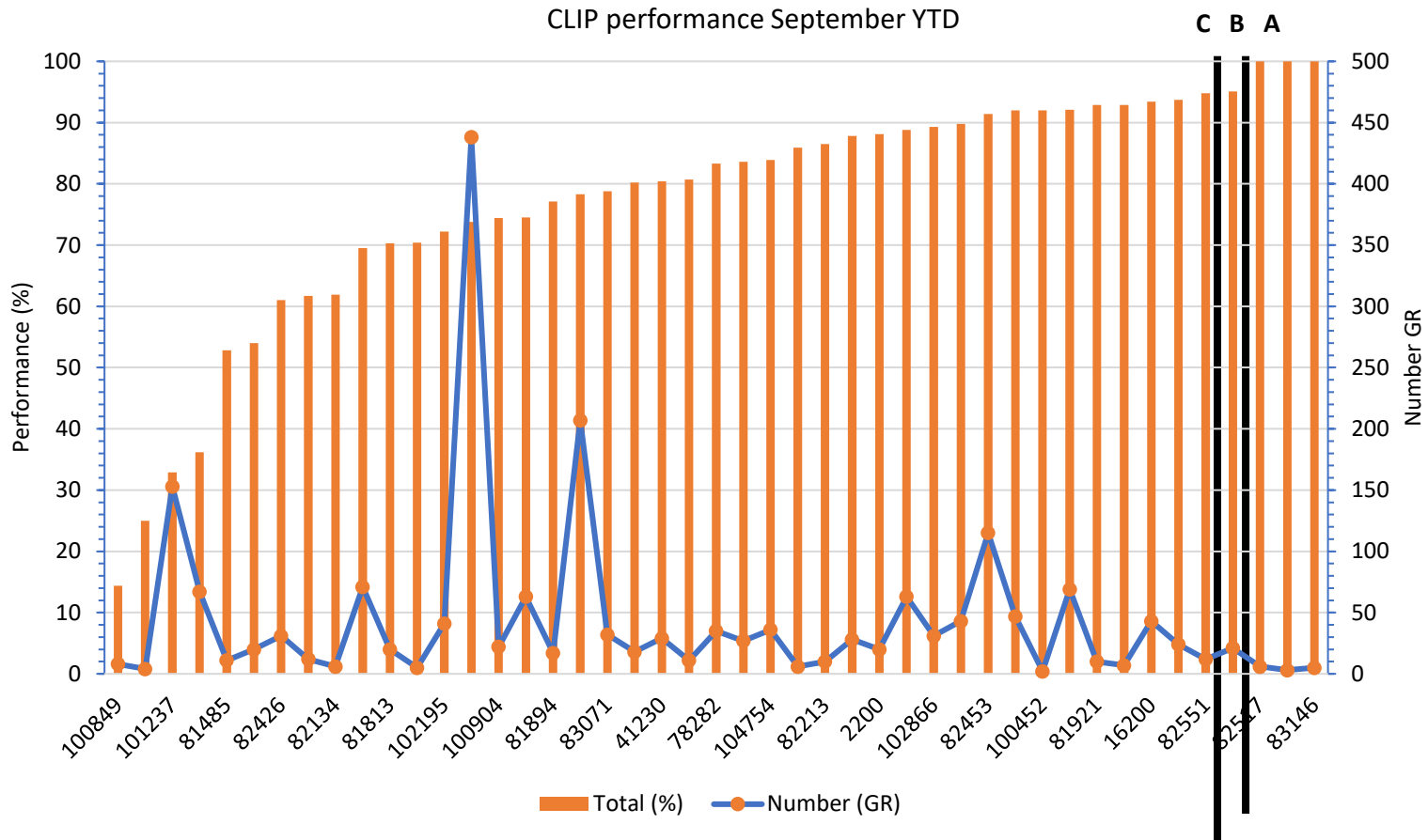
1

POOR
(C)

4

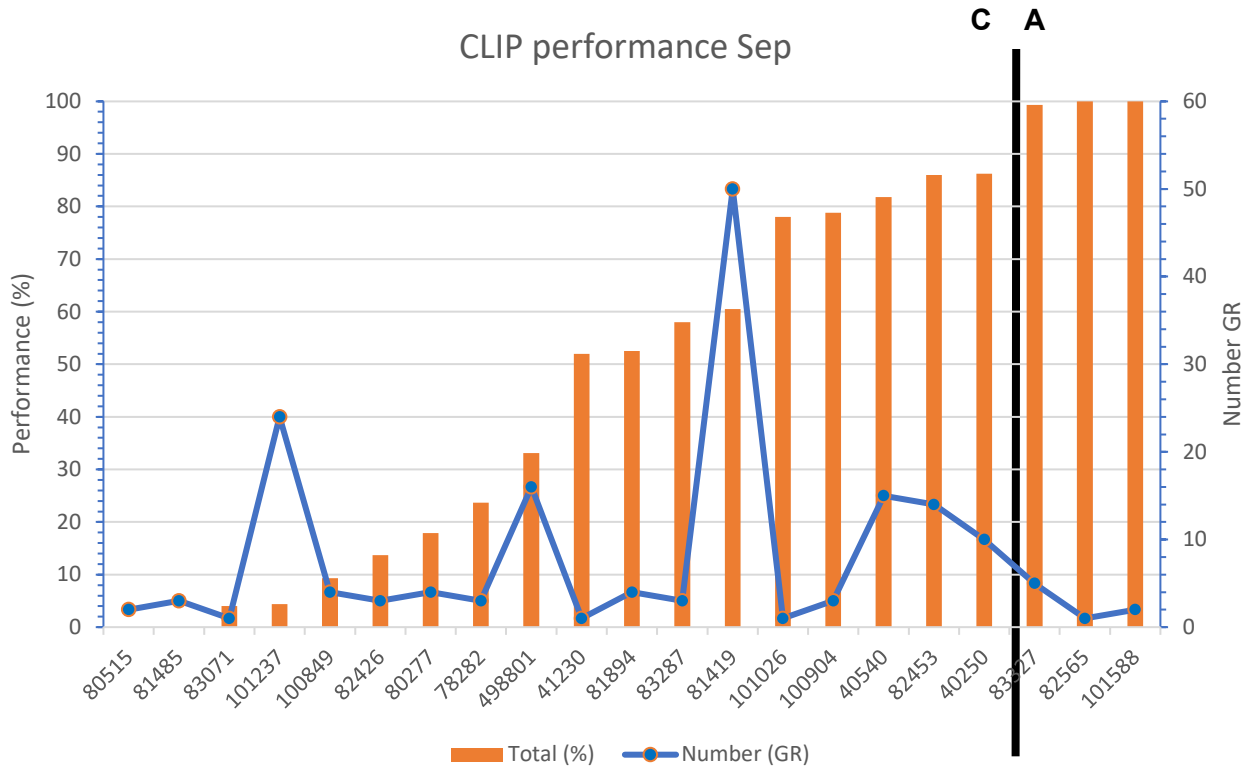
Logistical Clip Measurement

2021 cumulative total



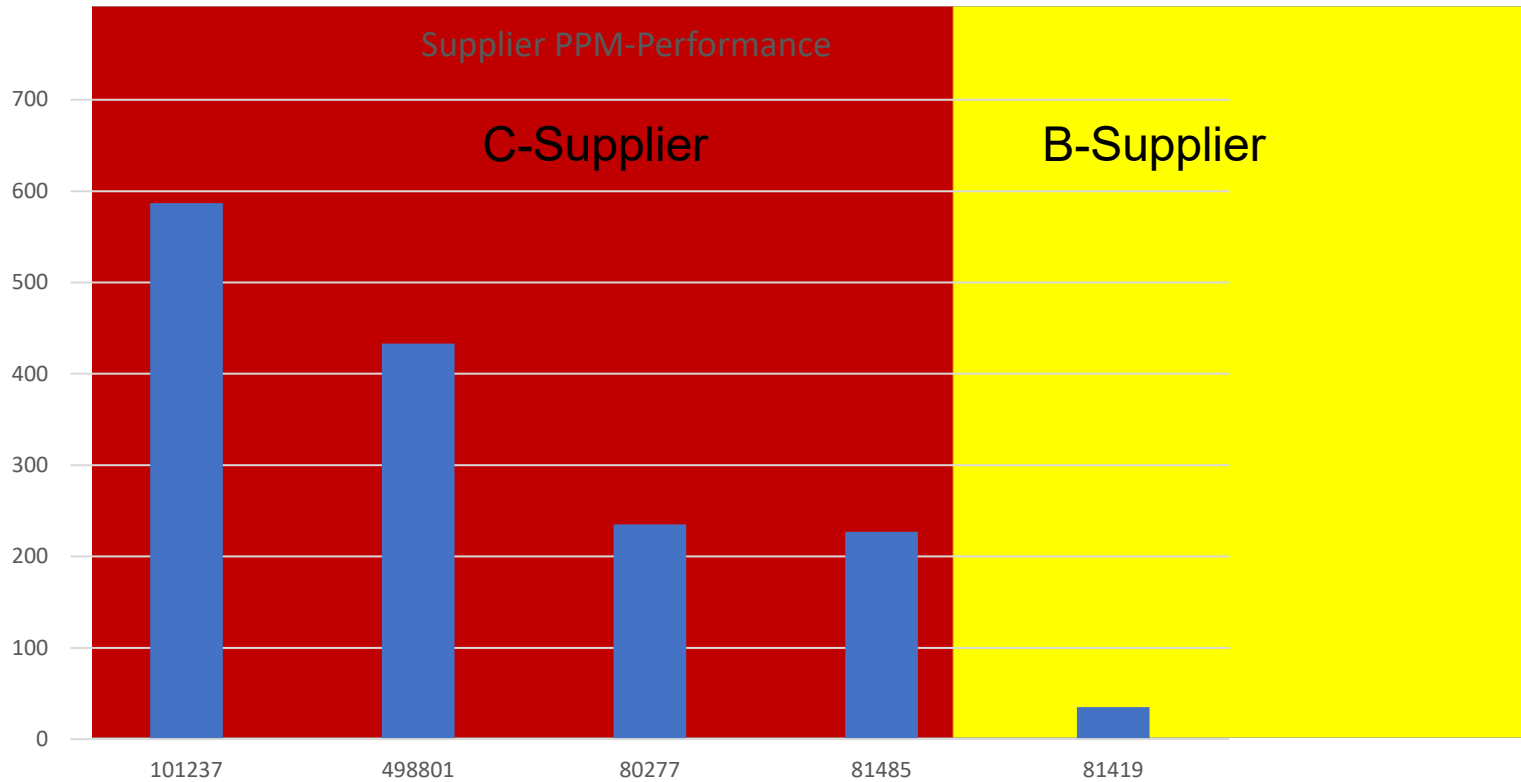
Logistical Clip Measurement

September 2021



Remark : low performance suppliers will be contacted

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



Announcement Red Vendors

Vendor 101237: CLIP, 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

