

# DOCUMENTATION

## Vendor Performance & Announcement March 2022

Mr. Erik Thues, Strategic Purchasing

Mr. Dirk Vanreusel, Supplier Quality Assurance

Mr. Leonardo Lemos, Supply Chain Management

# CLIP/PPM Performance

## March 2022

Total component vendors  
CLIP (for production)  
20

### CLIP RANKING

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

### TOP 4 CLIP VENDORS

### BOTTOM 4 CLIP VENDORS

40540

102333

82565

102651

102866

103340

103548

41230

### OVERALL CLIP PERFORMANCE

**GOOD (A)**

**AVERAGE (B)**

**POOR (C)**

4

3

13

### Quality ranking: Average last 3 months

Supplier	PPM	Percentage	PPM Class
81485	78	87%	B
80515	6	7%	A
81419	6	7%	A

### OVERALL QUALITY PERFORMANCE

**GOOD (A)**

**AVERAGE (B)**

**POOR (C)**

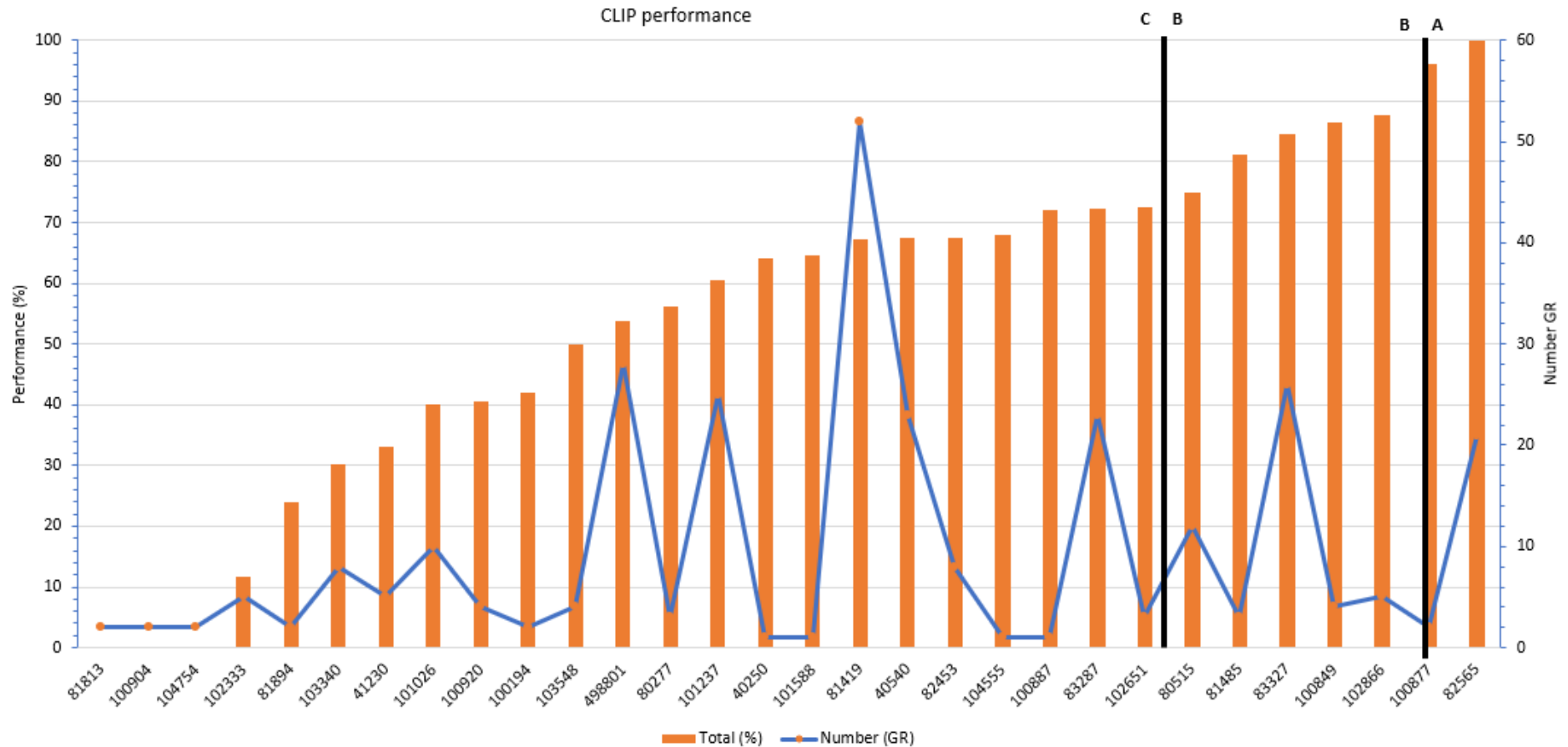
44

1

0

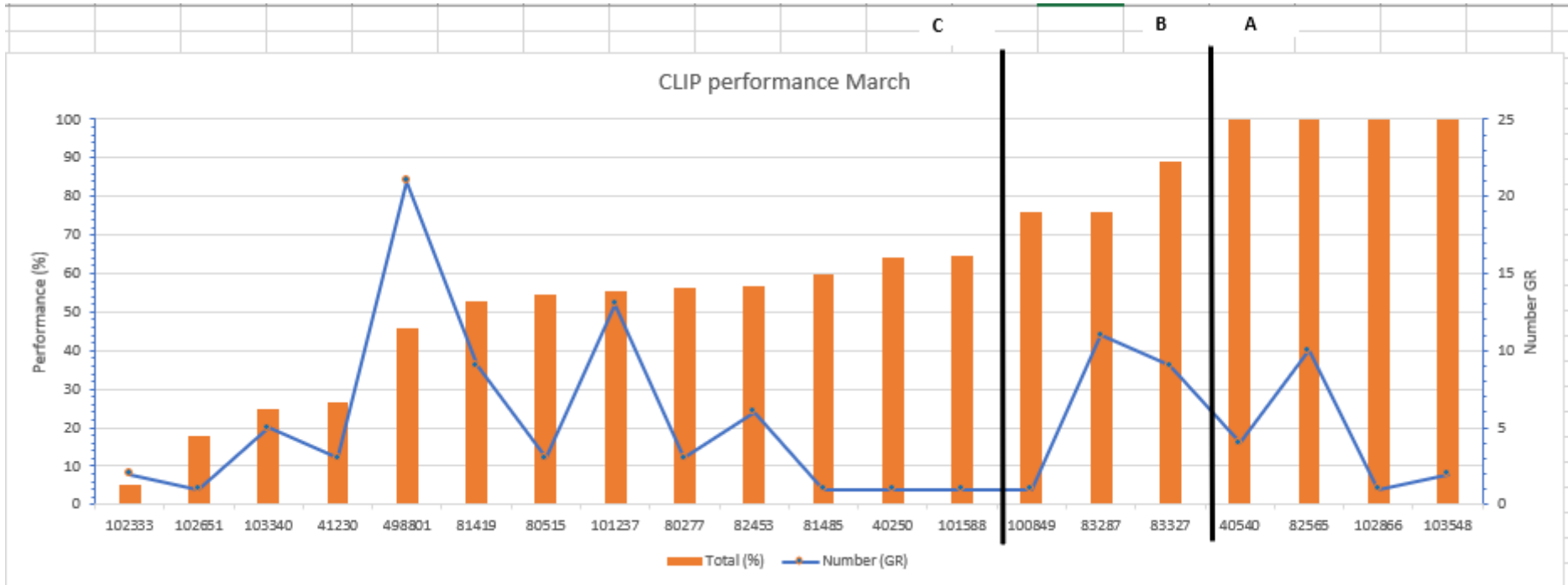
# Logistical Clip Measurement

## 2022 cumulative total

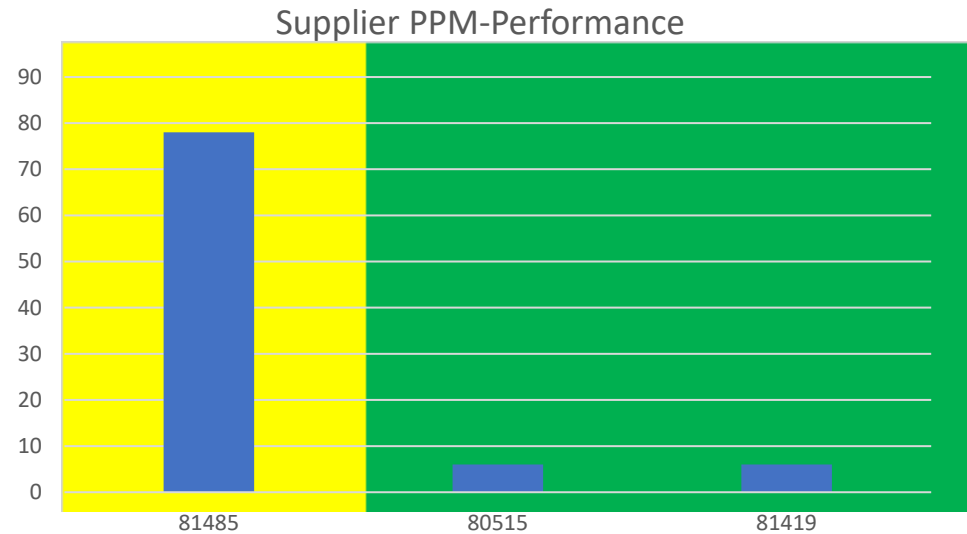


# Logistical Clip Measurement

## March 2022



# Supplier PPM last 3 months (Jan/Feb/Mar)



# 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  $\leq 25$  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

