

Duty Cycle Analysis - A4 250 hp -13.5M MSS TRAVELS

Route : CHENNAI ↔ MADURAI (7.1.23 – 9.1.23)

Mileage (Telematics data)

Chennai to Madurai – 3.74

Madurai to Chennai – 4.01



HINDUJA GROUP



### CUSTOMER FEED BACK

Sir, MSS Travels 13.5m feedback 1st trip from Salem to Chennai

1. Pick up is good
2. Riding comfort is good
3. Steering control is good during lane change and no difference between 12m and 13.5m
4. Engine noise slightly higher compare to H series

Seating arrangement

24nos - Sleeper

24nos - seat (Pushback)

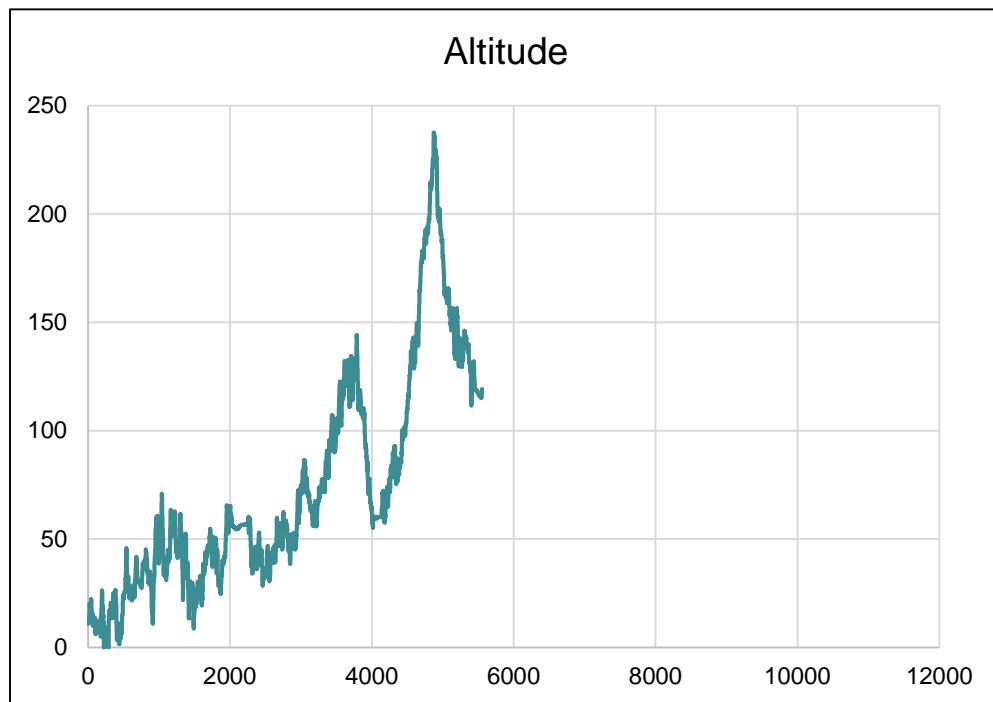
1st trip Kmpl

3.96kmpl (km covered- 375km / diesel consumed- 94.55ltrs) with 43 passengers

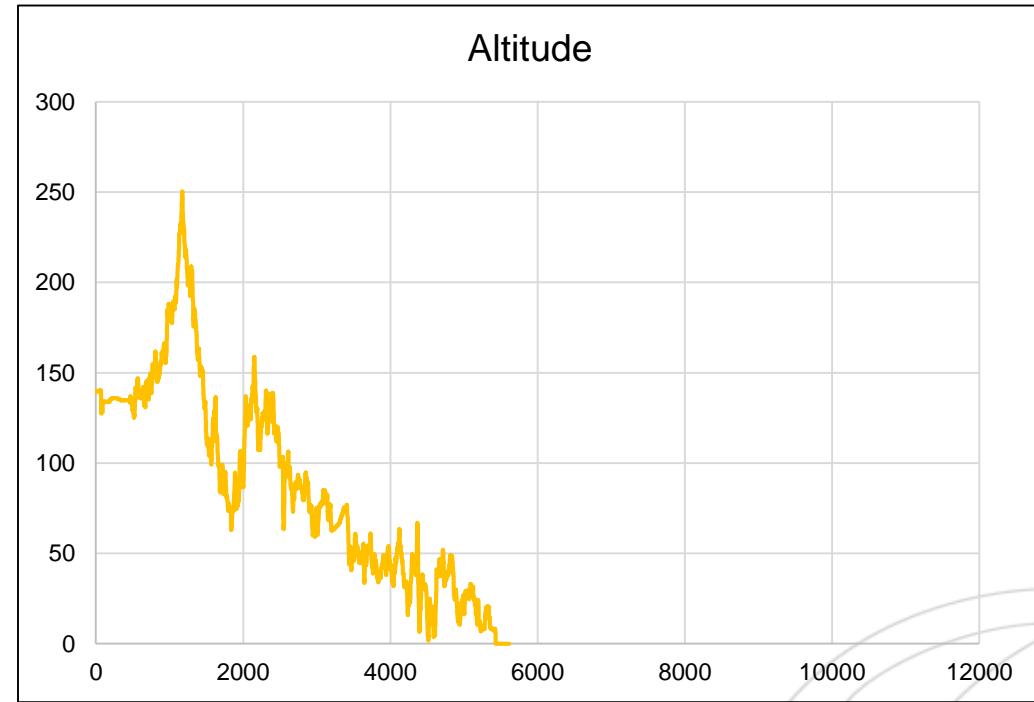
**UP vs DOWN**



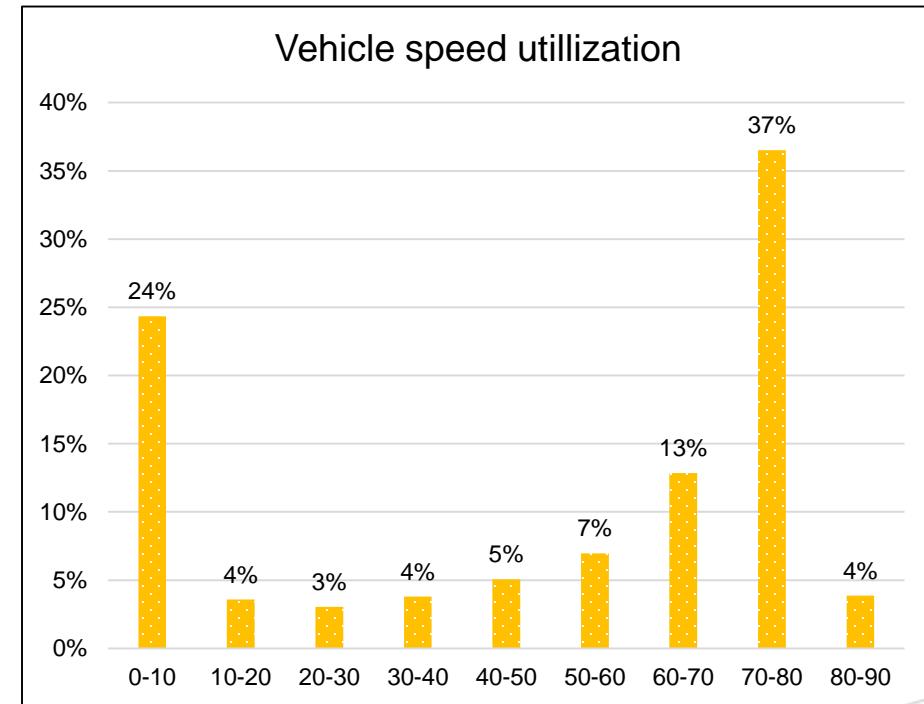
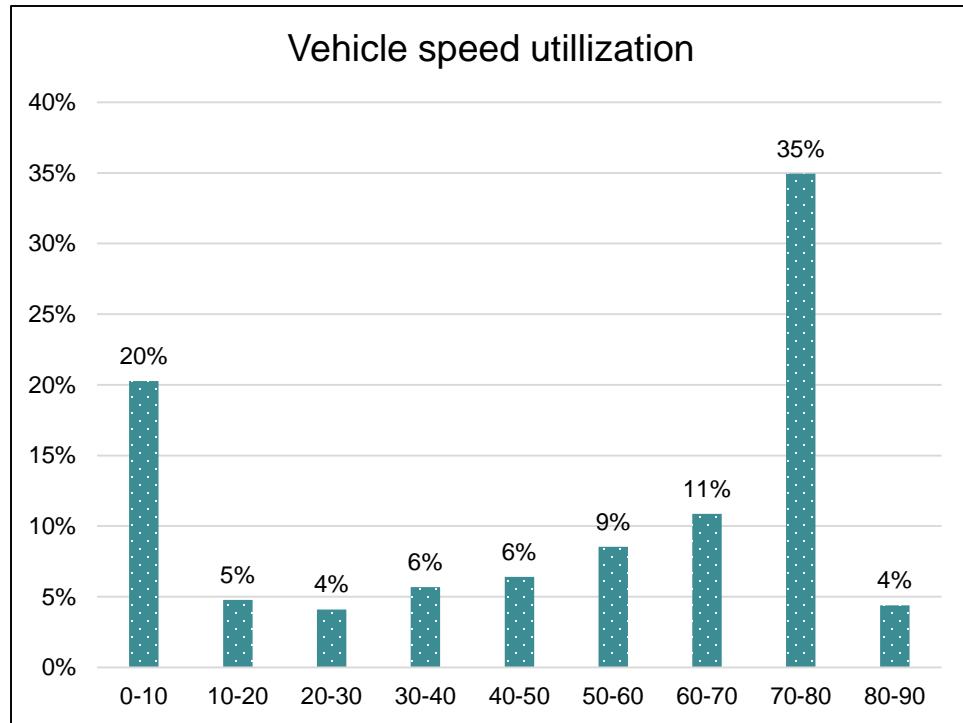
***Chennai to Madurai***



***Madurai to Chennai***

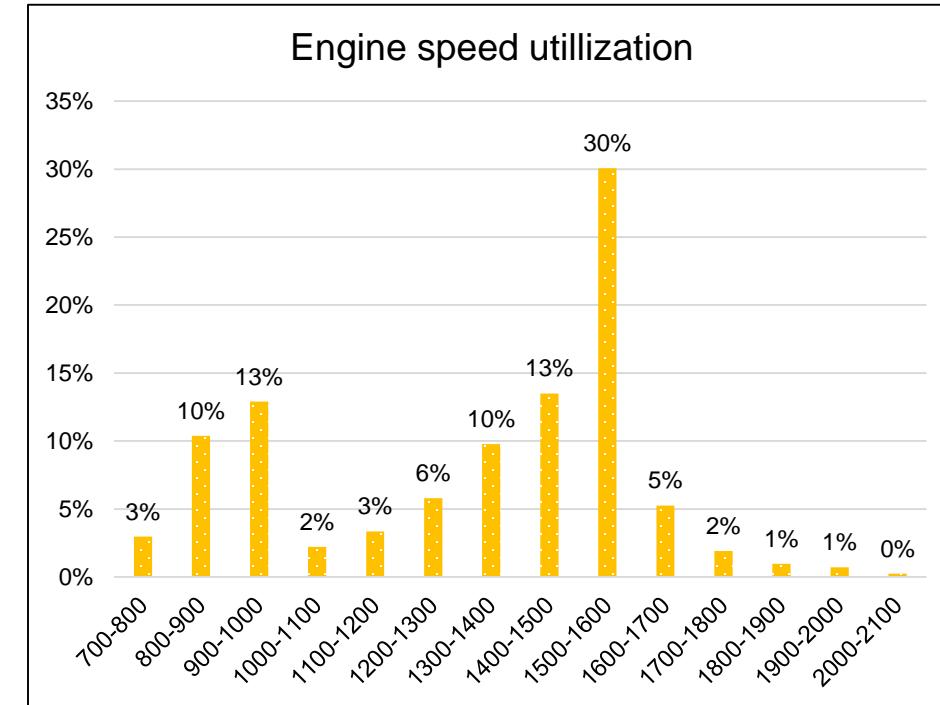
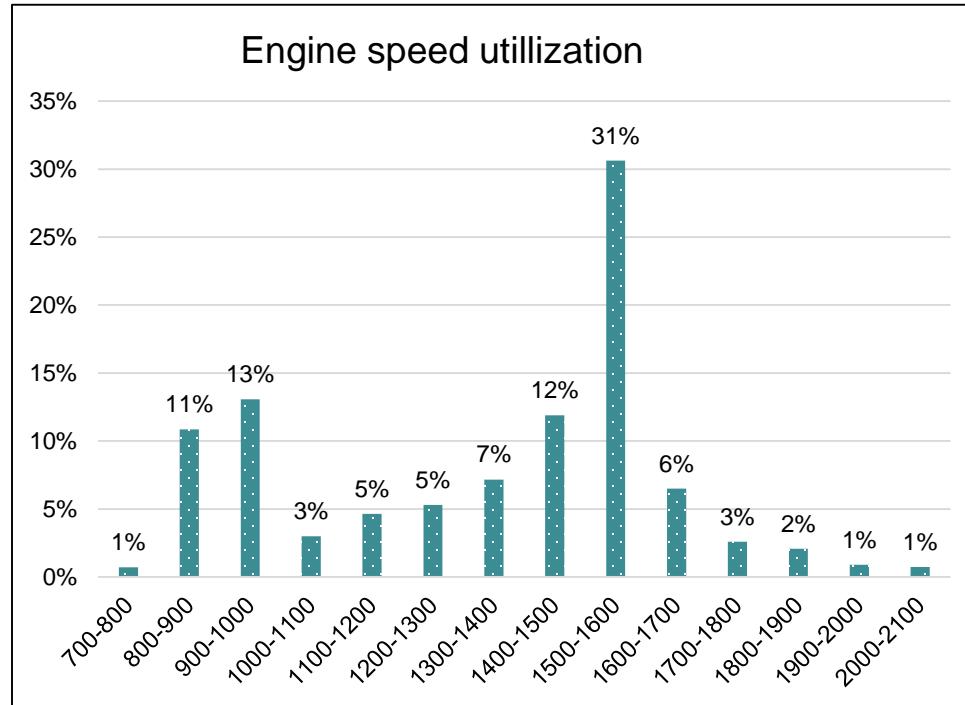


## **UP vs DOWN**

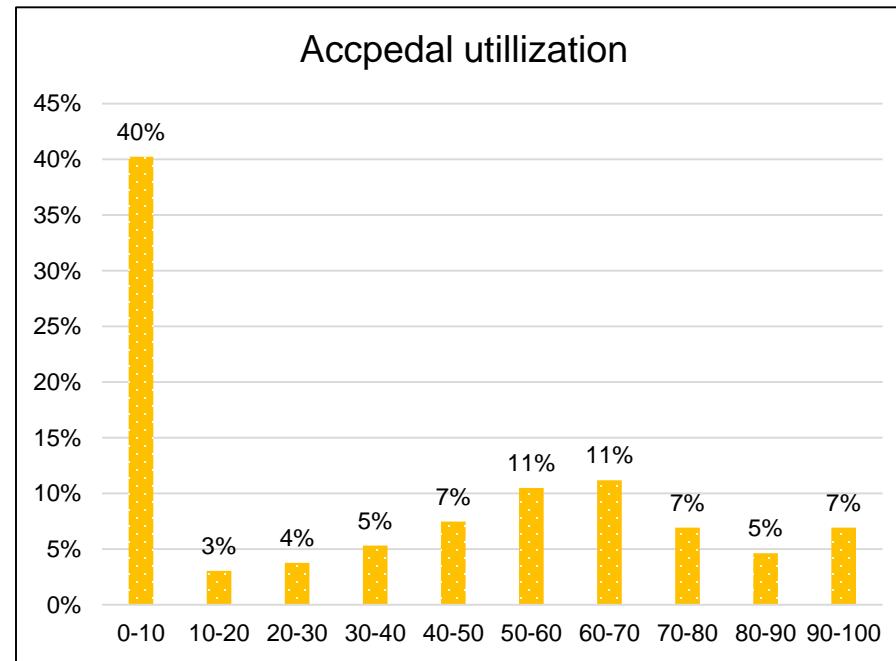
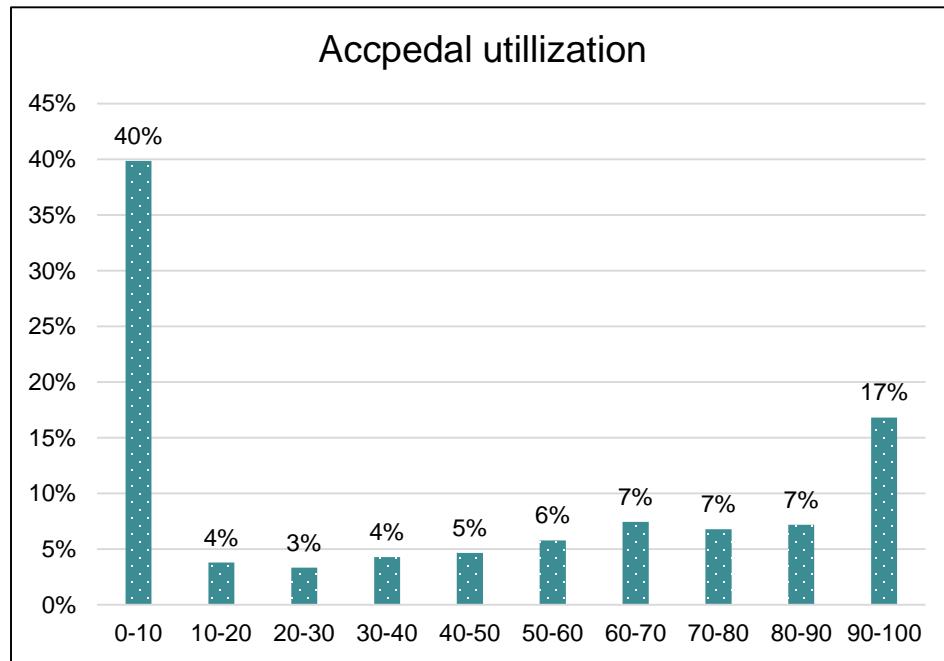


Vehicle found to be operate around 36% between 70 to 80 kmph in up and down trip. 0-10% observed to be 20% and 24% in up and down trip respectively

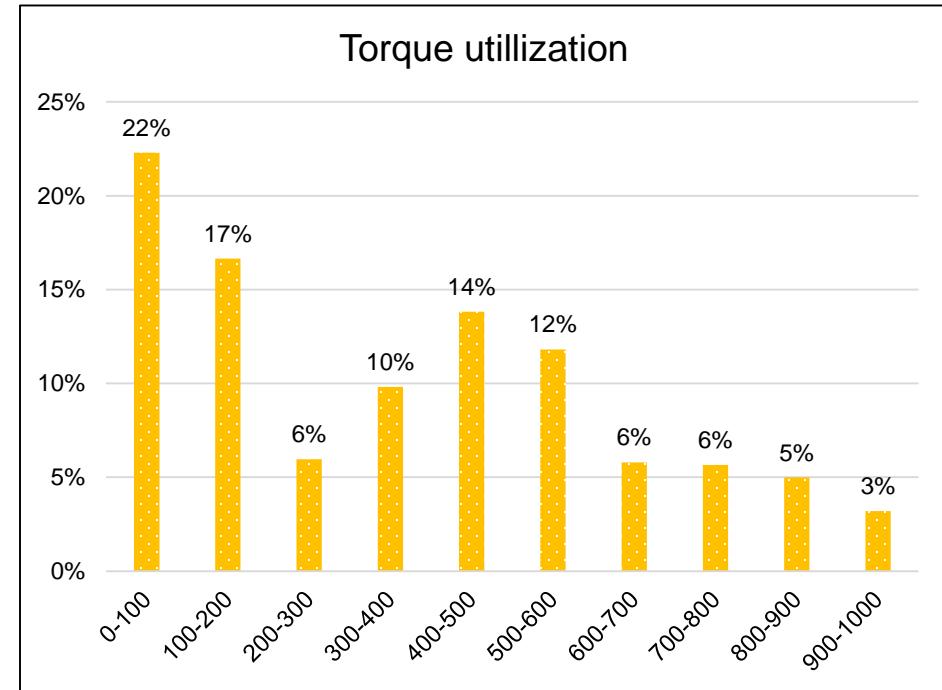
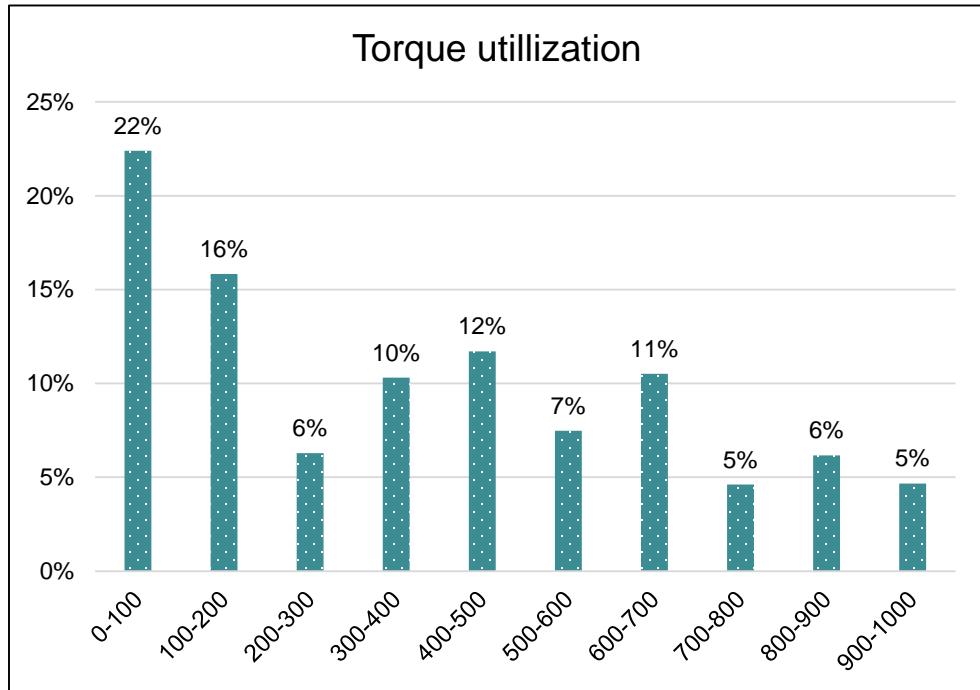
## *UP vs DOWN*



30% utilization of engine speed found to be between 1500 to 1600 zone [pertaining to max veh speed in top gear]. No major changes observed in engine speed utilization between up and down trips.

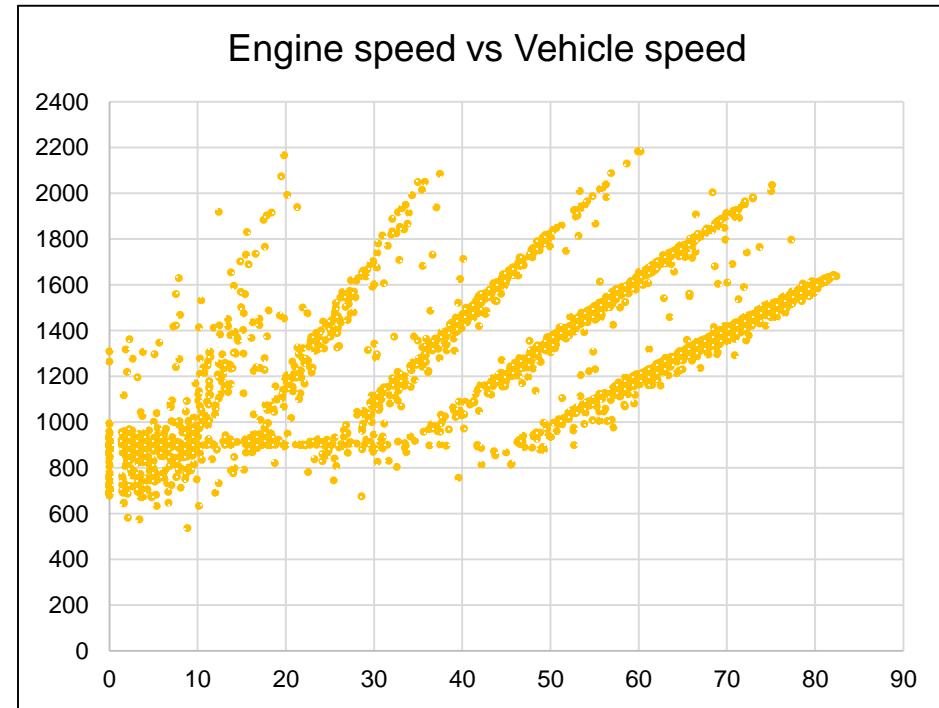
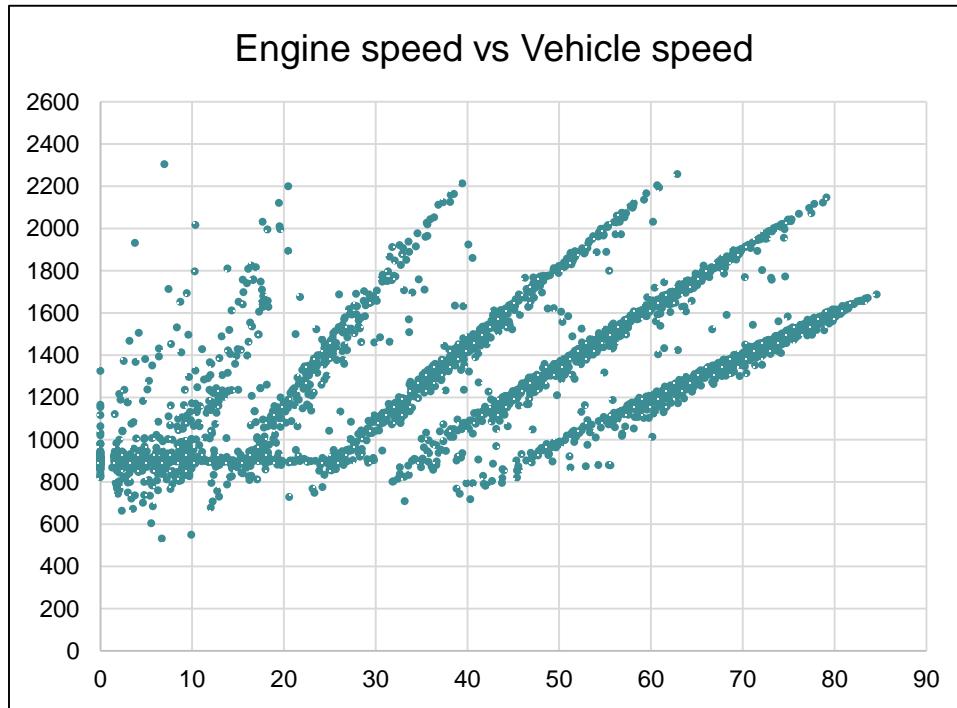


90 to 100% acc pedal utilization found to be in the range of 17 and 7% respectively. Utilization between 0 to 10 % found to be around 40%



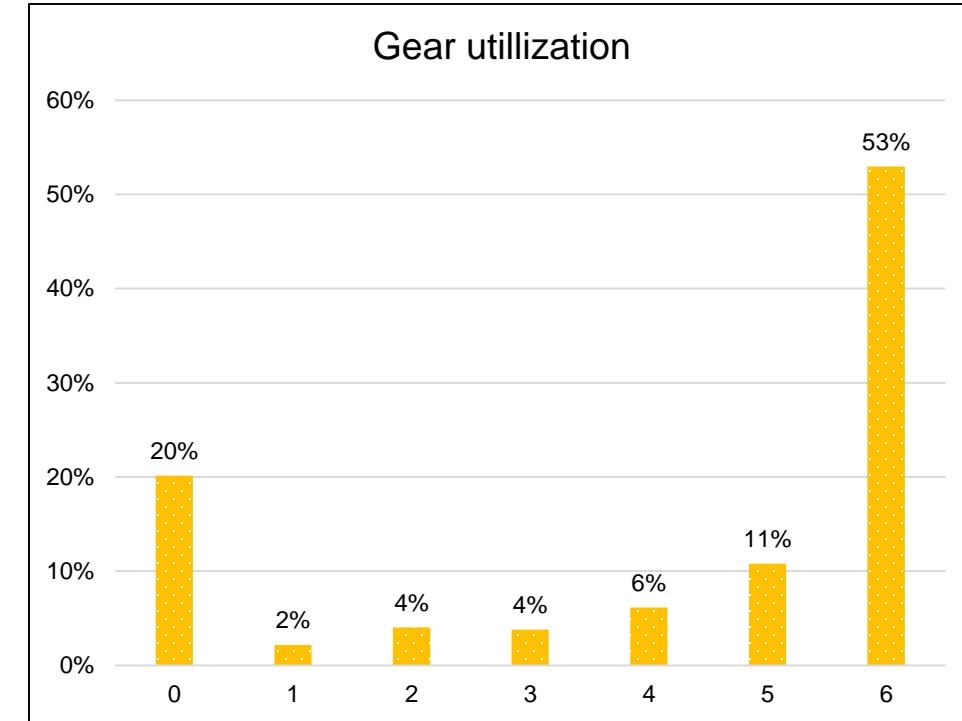
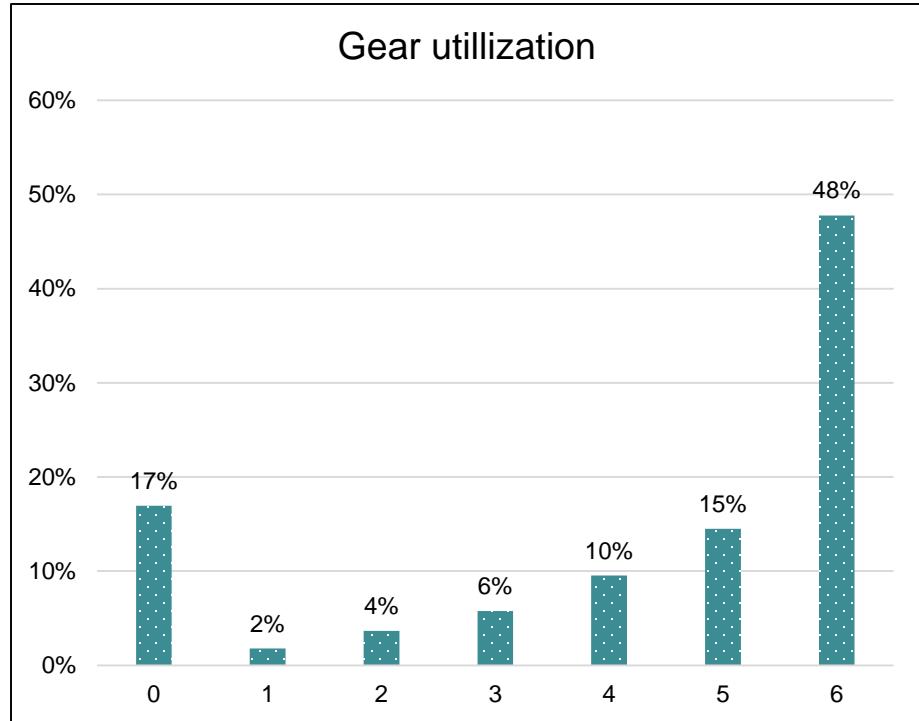
Max torque utilization found to be 5% and 3% in up and down trip respectively

## **UP vs DOWN**

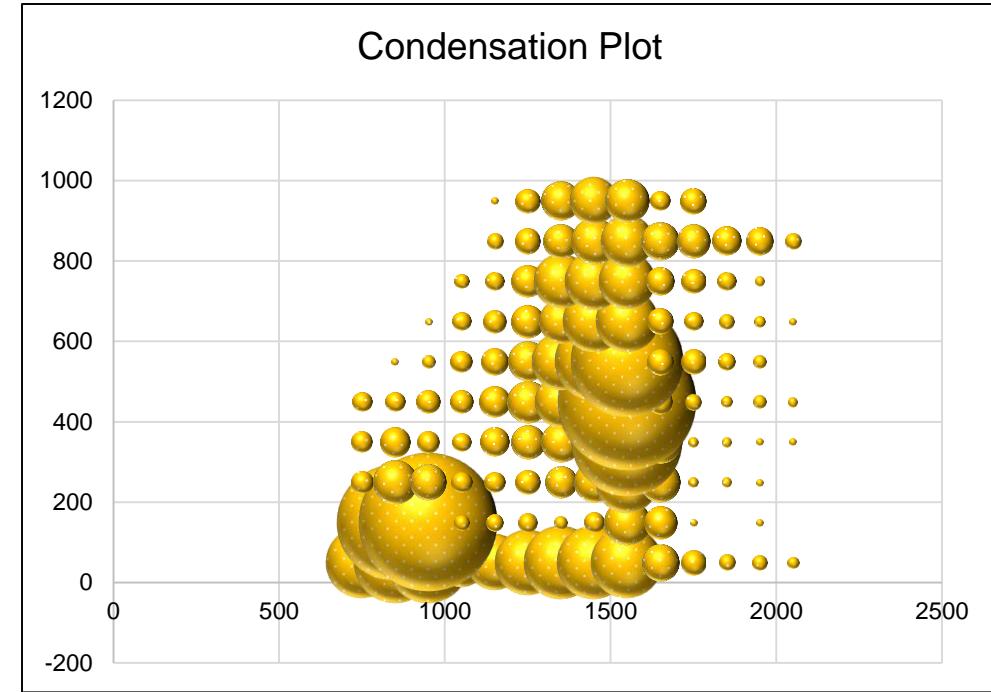
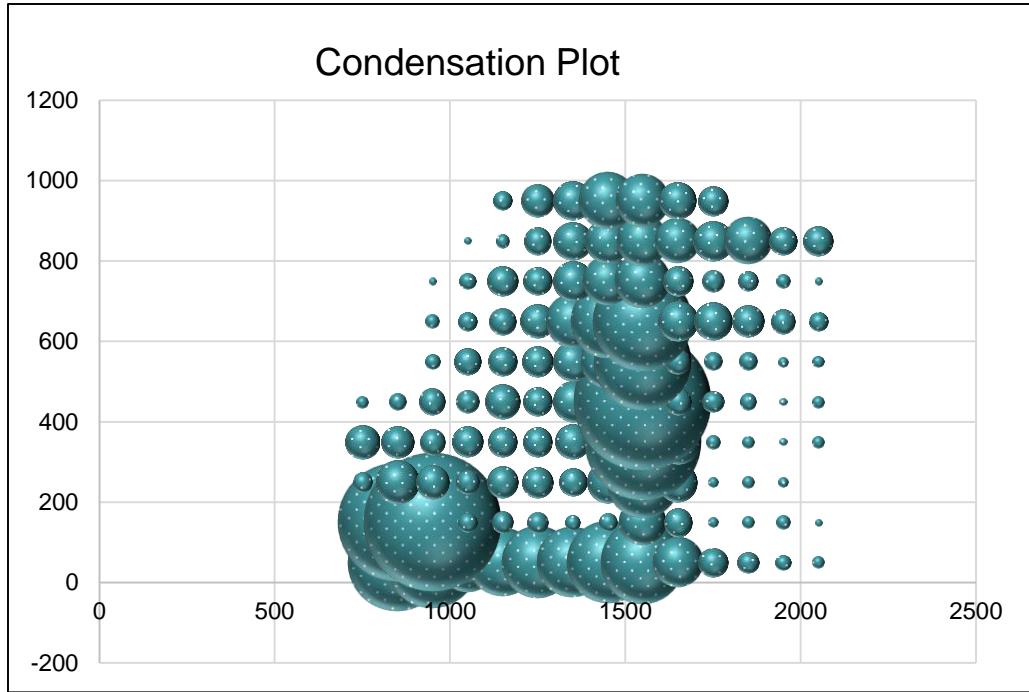


Gear shifting found to happen at around 1800 rpm . No abnormality observed

## UP vs DOWN

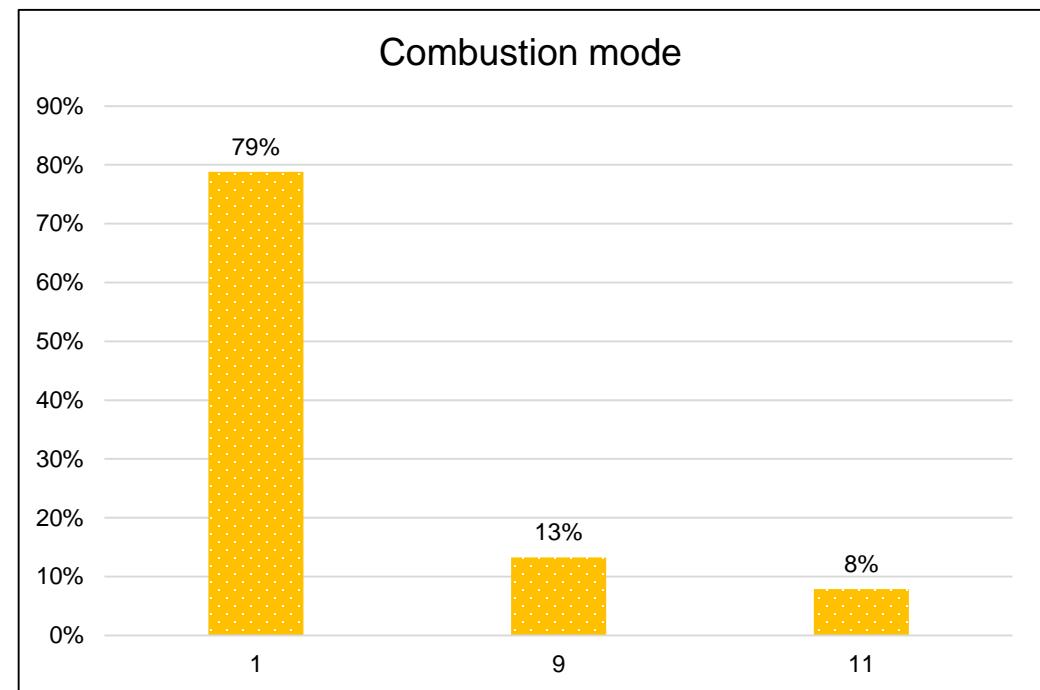
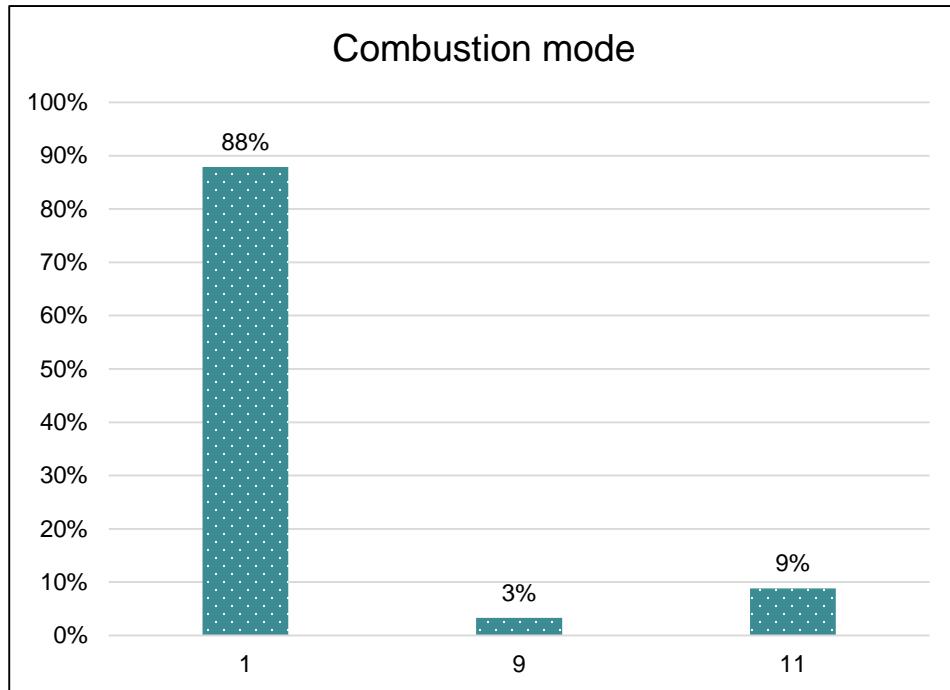


*Top gear utilization found to be 48% and 53% in up and down trip respectively.*



*Max torque utilization in up trip found to be slightly higher than in down trip*

## **UP vs DOWN**



- 1 - Normal mode
- 3 - De-soot (In mission) mode
- 9 - SCR Aggressive mode
- 11 - Moderate mode

*SCR Aggressive mood observed to be around 3-13%  
Normal mood observed to be around 79-88%*