

Wheel Measurements

a. Add Loco Wheel Measurements:

- Technical sections supervisor shall click on ‘Wheel Measurements’ from ‘Wheel Measurements’ side menu.
- ‘View Wheel Measurements’ screen shall be displayed with ‘Add Wheel Measurements’ link.
- User shall click on ‘Add Wheel Measurements’ link.
- ‘Add Wheel Measurements’ screen shall be displayed.
- Technical (M) sections supervisor shall select ‘Select From’. which has three options -
 - All → shows all locos
 - Under Maintenance → shows under maintenance locos
 - Foreign → shows foreign locos.

- Technical (M) sections supervisor shall collect Loco, Done by, date and schedule.
- For each loco has 6 wheel sets. Each wheel set has 2 wheels.
- Based on selected loco number the schedule shall be displayed.
- Only MW section’s supervisor has provision to change the ‘Turning Type’.
- This screen has question field ‘Is Equipment Change?’
 - If the Technical sections supervisor checks this field then changed wheel set readings are shown, not available wheel set positions shows empty. Otherwise old data shall be displayed.

- Based on selected ‘select from’ the loco shall be displayed.
- Technical sections supervisor shall enter date & remarks.
- On changing the loco the measurements of
 - Root
 - Flange
 - Diameter
 - Tread wear
 - wheel gauge
 - Tire Thickness
 - Axle dia
 - Road gauge
 - K value
 - Stopper distance shall be displayed.

- If 6 wheel sets are not available for selected loco the ‘Save’ button shall be disabled and alert message shall be displayed otherwise Technical sections supervisor have provision to save the wheel measurements.
- Technical sections supervisor enters the wheel measurements of root, flange, diameter, and wheel gauge and remarks.
- Steps to enter the wheel measurements from client side:
 - First time m6 section supervisor shall enter the readings and only this section shall change the wheel sets and enter the first readings.
 - MW section supervisor shall enter the ‘After turning’ readings.
 - M1 section supervisor shall enter the ‘Before turning’ readings.
- M1 section’s wheel measurements shall take as final readings. Only this section supervisor has provision to enter skid marks.
- MW section’s supervisors can have only provision to turning wheels. For this section only the wheel turning checkboxes shall visible.
- Wheel turning checkboxes shall check for done turning wheel sets.
- On submitting, user details shall be validated.
- If validation unsuccessful, error/Warning Message shall be displayed, use case ends.
- If validation successful, entered details shall be saved in database
- Effected screens are Loco wheel measurements, loco wheel set measurements, Loco wheel set type wise summary, wheel wear root cause analysis, Average wheel life of loco, loco wheel register.

Add Wheel Measurements

Loco Wheel Measurement Info

Select From: Under Maintenance
 Reading Purpose: Before Turning
 Date: 15/08/2022
 Last Turning Date: --

Is Equipment Changed?
 Loco: 30344
 Done By: Adiya Legha

Shed Schedule: TKD
 UnSch
 Reason of Turning: Bogie Balancing

Position	1	2	3	4	5	6	7	8
SerialNo	TPP47-72	TPP47-72	TPP44-73	TPP44-73	TPP25-70	TPP25-70	TPP36-70	TPP36-70
Diameter	1084.9	1084.8	1084.8	1084.8	1085	1084.9	1082.1	1082.3
Flange Wear	1	0.7	0.5	0.5	0.2	0.5	0	1
Root Wear	0	0	0.2	0.2	0	0.5	0	0
Tread Wear	0	0	0	0	0	0	0	0
Wheel Gauge	1595.52		1595.79		1595.76		1595.9	
Tire Thickness	61.45	61.4	61.4	61.4	61.5	61.45	60.05	60.15
Road Gauge	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
K Value	260.7		0		0		0	
Stopper Distance	0		0		0		0	
Flange Thickness	31	31.3	31.5	31.5	31.8	31.5	30.5	31

Remarks:

Save Back