

VEHICLE TO TECHNICIAN RATIO

This is a question asked by every fleet owner, fleet manager and workshop manager who maintain their own fleet of vehicles. Unfortunately, there is no standard formula or thumb rule to get the magic number. It depends on various factors, example;

- Is it a fleet cars or pickups or busses or trucks or a mix?
- Is the fleet new or aged?
- What is the distance driven every day?
- What are the weather conditions?
- What are the road conditions and where are the vehicles driven?
- What are the actual work hours of each technician every day?
- What type of maintenance equipment is available?

And more of such questions.

If you are a functioning workshop, you will have to use historical data and derive a base line and use the base line to improvise and set current requirements. If you are setting up a new workshop you can use the basic method below to get a baseline to further improvise on. However please consider that this baseline does not tell you how many of these technicians should be mechanics, how many should be electricians and how many should be welders or painters and how many should be helpers.

You can however use the below method to evaluate possible electrical, painting and advanced mechanical repair work required and calculate the number of mechanics, electricians, welder, painters, and helpers

YOU CAN CHANGE THE FIGURES IN THE WHILE CELLS AS PER YOUR WORK SCHEDULES AND NO. OF VEHICLES ([download the excel attachment](#))

Note -

> The technician hours per day should be the time he spends on a vehicle. Which are his total hours per day minus lunch, tea, toilet, and cigarette breaks and also minus time spent for searching for vehicles and to get the vehicles into the service bay and any other such loss of work time.

>The annual hours should also be calculated after deducting any annual leaves.

Assumptions - 26 working days per month and an annual leave of 30 days/1 month.

	hrs/tech/day	hrs/tech/month	hrs/tech/yr	no. of tech	total hrs		
	7	182	2002		0		
	LMV						
	maint hrs/yr	No. of LMVs	Total hrs	hrs/tech/yr		no. of tech	
	36	100	3600	2002	1.79	2	
	LCV						
	maint hrs/yr	No. of LCVs	Total hrs	hrs/tech/yr		no. of tech	
	48	100	4800	3600	1.33	2	
	HCV						
	maint hrs/yr	No. of HCVs	Total hrs	hrs/tech/yr		no. of tech	
	72	250	18000	4800	3.75	4	

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