

Properly aligned wheels saves fuel and tyres

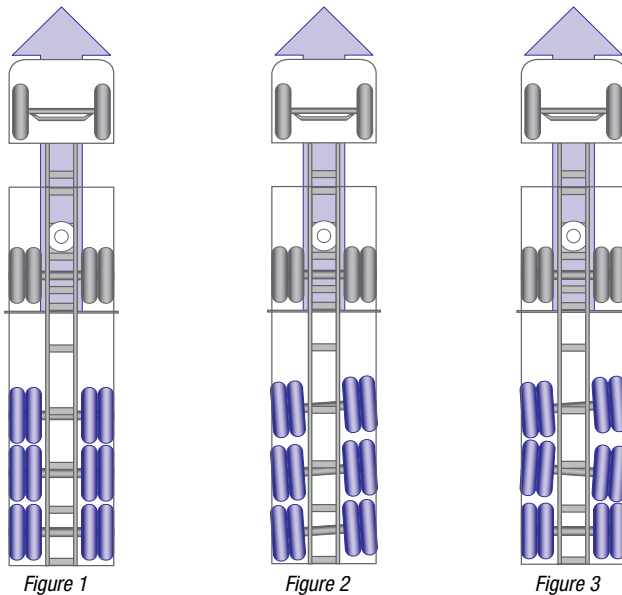


Why wheel alignment?

Tyre wear and high fuel consumption are well known problems among truck and bus owners around the world.

A major cause of this is misalignment of wheels and axles.

Various tests have shown that properly aligned vehicles can save up to 8% on fuel consumption and more than 30% on the lifetime of tyres. Apart from the savings, a proper aligned vehicle contributes to a better driving comfort, safer traffic conditions and a better environment.



Did you know that 80% of the tyrewear on the front tyres is caused by misalignment of the rear axles of the truck or trailer? In order to save maximum on fuel and tyres it is recommendable to have the complete vehicle checked yearly for wheel alignment.

In above figure 2 all axles of the trailer are rolling parallel with each other but not in line with the centerline of the vehicle. In this case the rolling resistance increases because of the increase of width of the total vehicle. This small misalignment will increase the fuel consumption with 2-3%. In figure 3 all three axles of the trailer are not rolling parallel with each other. In this particular case the fuel consumption can increase with at least 15%.

Calculate your savings

In our example the net savings of doing a wheel alignment is more than €1200 per year. How much can you save?

truckCam
March 29, 2010

Savings by wheel alignment

Please enter all necessary data and click 'Calculate savings' to calculate.

Client info

Name:	TruckCam AB
Address:	Högmossevägen 3
City:	SE-64139 Katrineholm
Contact person:	
Telephone:	+46 150 66 25 40
E-mail:	info@truckcam.com

Alignment cost

	Quantity	Price (€)
Steered axles:	1	80
Fixed axles:	4	65
Adjustment hours:	2	75

Estimated savings (in %)

On fuel:	3
On tyres:	10

Calculate Savings

Fuel cost

Kilometer driven per year:	130000
Fuel consumption: (litres / 100km driven)	32
Fuel price (€/litre, use . as separator):	1.05

Tyre cost

	No of tyres	Price/tyre (€)	Kilometers
Front axle:			
Rear axle:			
Tag axle:			
Trailer:			
Drawbar trailer:			

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Savings by wheel alignment

Change data and click 'Calculate savings' to re-calculate.

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Calculate Savings

Fuel cost

Kilometer driven per year:	130000
Fuel consumption: (litres / 100km driven)	32
Fuel price (€/litre, use . as separator):	1.05

Tyre cost

	No of tyres	Price/tyre (€)	Kilometers
Front axle:	2	450	130000
Rear axle:	4	400	140000
Tag axle:	0		
Trailer:	6	400	180000
Drawbar trailer:	0		

Total cost

Fuel cost per year:	€ 43680
Tyre cost:	€ 4110
Adjustment cost:	€ 490

Net savings

€ 1232.3

Print
Clear
Exit

TruckCam AB, Högmossevägen 3, SE-641 39 Katrineholm, Sweden, tel: +46 (0)150 66 25 40, fax: +46 (0)150 66 25 41, www.truckcam.se

Have your wheel alignment checked every year with the precise TruckCam wheel alignment system. This will help you...

...reduce fuel consumption

...reduce tyre wear

...improve driving comfort and traffic security

Contact info

