TIRE SAFETY

SAFETY is the number 1 value of the company!!!

Louis Raspino, President & CEO

TIRE SAFETY

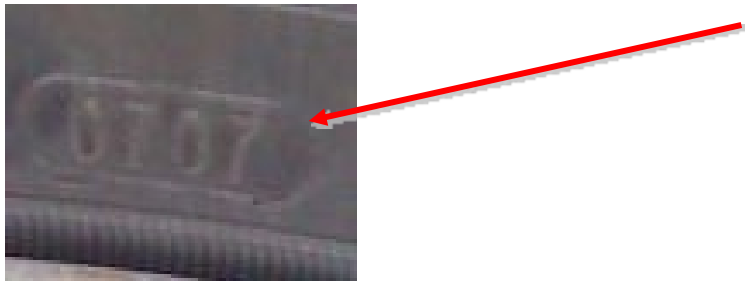
Most of us operate motor vehicles on a daily basis and hardly ever pay any attention to one of the most vital parts of the vehicle which are our tires.

TIRE SAFETY

Unfortunately very few of us change this bad habit until it is too late.

TIRE SAFETY

Did you know that tires expire 4 years after the date of manufacture and this date is stamped on the side of the tire?

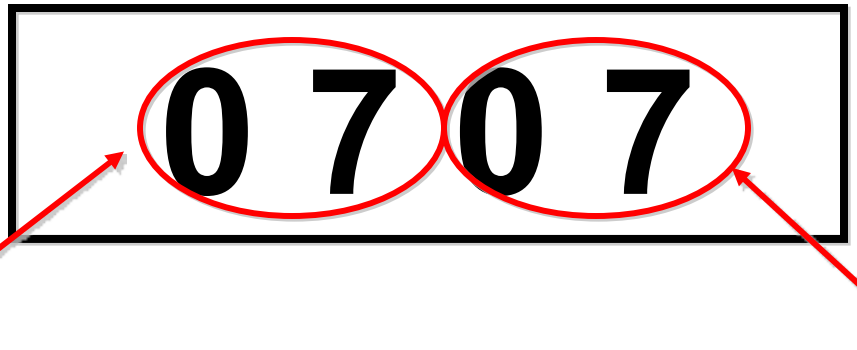


TIRE SAFETY

It is very easy to find out what the expiration date is on a tire, if you check on the side of it, you will have a 4 digit number stamped on it, this number indicates the week and the year it was manufactured, the expiration date will be 4 years later.

TIRE SAFETY

This number indicates that the tire was manufactured on the 7th week of 2007 or which is the same February 2007, that would place the expiration date on February 2011



7th week of the year "February"

Year of manufacture 2007

TIRE SAFETY

If we use expired tires these are likely to burst and result in a very serious or even a fatal accident, it would be a good practice for us to check our tires and make sure they have not passed their expiration date

TIRE SAFETY

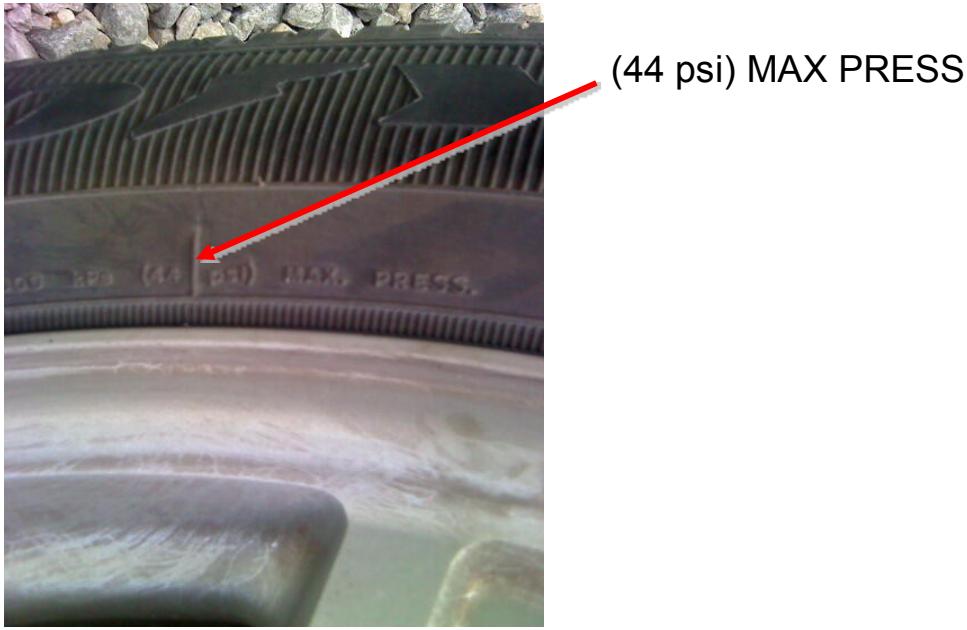
Another important point that we miss many times is proper tire inflation most of the gas stations in Mexico will calibrate your tires at 28 PSI and if you are going to travel they will even in many cases bring your pressure down to 24-26 PSI because they will "heat up on the highway and the pressure will come back up". DO NOT ALLOW THIS

TIRE SAFETY

On the side of the tire, you will also find the maximum allowable inflating pressure for that specific tire, some tires have a maximum pressure of 32 PSI some are rated at 44PSI and some even at 50 PSI. Check your specific tire to see what the maximum pressure is for your tires, it is an acceptable practice to have your tires a few pounds below maximum allowable pressure but not too much.

TIRE SAFETY

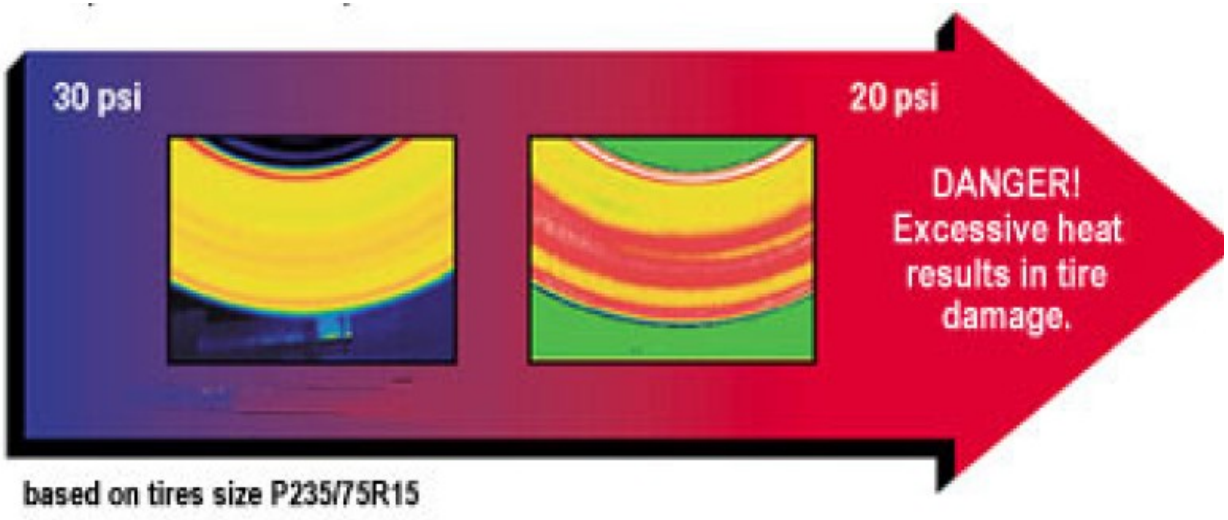
MAX PRESS	ACCEPTABLE
32 PSI	28 PSI
44 PSI	35 PSI
50 PSI	44 PSI



Different tires are designed for different pressures you will find your maximum tire inflation pressure on a small number next to the rim on the side of the tire, never exceed this pressure

TIRE SAFETY

Lower pressure increases tire heat, infrared photography of tires tested at high speed damaging heat increases as pressure drops.



TIRE SAFETY

Another important point to consider is the load we put on our tires, many times we overload our vehicles without paying any attention to the strain this puts on our tires, exceeding the maximum load rating on a tire may also lead to tire failure and could result in an accident.

TIRE SAFETY

Maximum Load-Carrying Capacity Per Tire

Load Index	Pounds	Kilograms	Load Index	Pounds	Kilograms
71	761	345	99	1709	775
72	783	355	100	1764	800
73	805	365	101	1819	825
74	827	375	102	1874	850
75	853	387	103	1929	875
76	882	400	104	1984	900
77	908	412	105	2039	925
78	937	425	106	2094	950
79	963	437	107	2149	975
80	992	450	108	2205	1000
81	1019	462	109	2271	1030
82	1047	475	110	2337	1060
83	1074	487	111	2409	1095
84	1102	500	112	2484	1129
85	1135	515	113	2561	1164
86	1168	530	114	2640	1200
87	1201	545	115	2721	1237
88	1235	560	116	2806	1275
89	1279	580	117	2892	1315
90	1323	600	118	2982	1355
91	1356	615	119	3074	1397
92	1389	630	120	3169	1440
93	1433	650	121	3267	1485
94	1477	670	122	3368	1531
95	1521	690	123	3472	1578
96	1565	710	124	3580	1627
97	1609	730	125	3690	1677
98	1653	750			

Attached table shows the load index and maximum load carrying capacity per tire in pounds and kilograms.

TIRE SAFETY

Load index 109 maximum load capacity 2271 lbs 1030 kg.

TIRE SAFETY

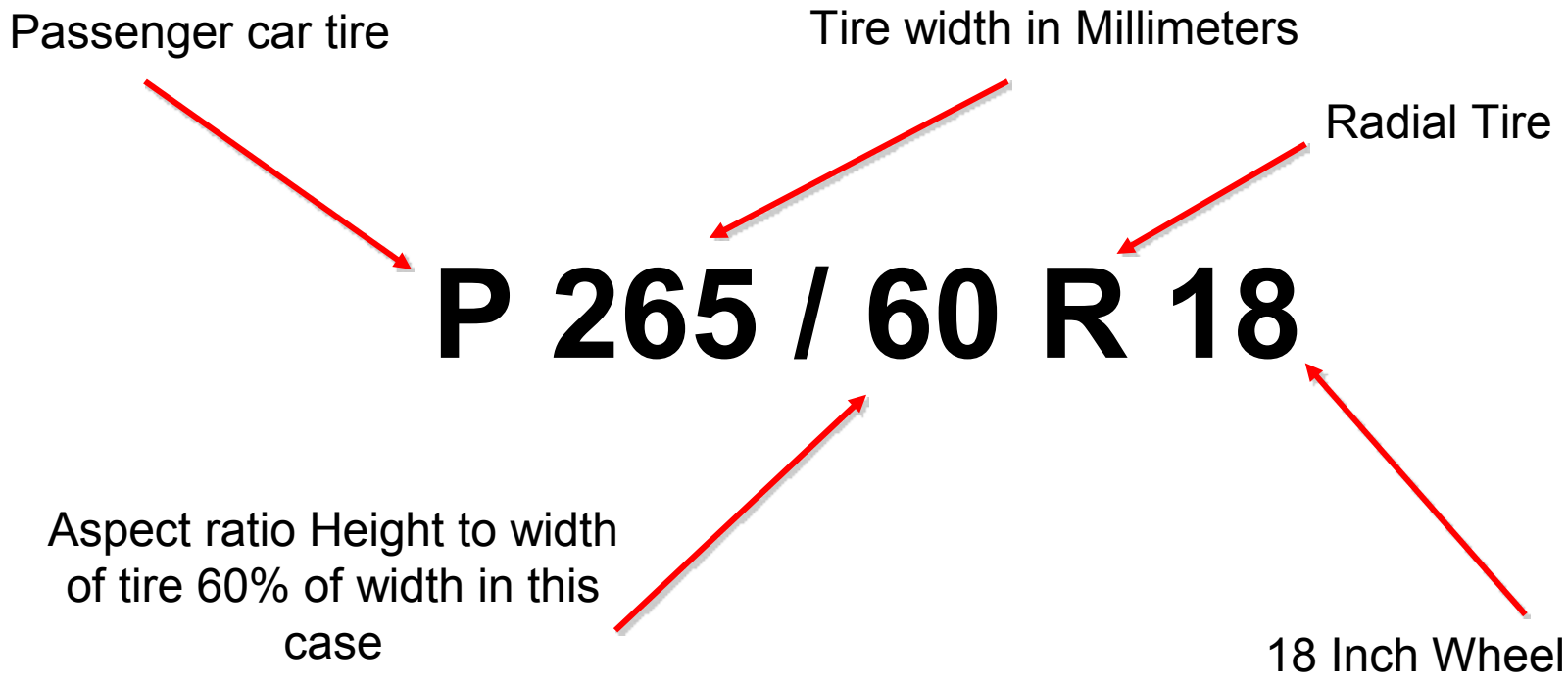
Speed Symbol	Maximum Speed (km/h)	Maximum Speed (mph)
Q	160	100
R	170	106
S	180	112
T	190	118
U	200	124
H	210	130
V*	Above 210	Above 130
V	240	149
W	270	168
Y	300	186
Z	Above 300	Above 186

The speed rating for which a tire is designed is indicated by a letter next to the load index, adjacent table shows the speed ratings in Km/h & Mph.

TIRE SAFETY

Many of us have bought tires in the past and when they ask us the size of the tires we just read it from the old tire and give them to the person at the tire shop but, what do those numbers mean?

TIRE SAFETY


Passenger car tire
Tire width in Millimeters
Radial Tire
P 265 / 60 R 18
Aspect ratio Height to width of tire 60% of width in this case
18 Inch Wheel

TIRE SAFETY

TEMPERATURE RESISTANCE

Simbolo Symbol	Area
A	**Hot area** **Area Caliente**
B	**Normal Area** **Area Normal**
C	**Cold Area** **Area Fria**

The letters will indicate a tire's resistance to heat. Tires are rated from highest to lowest resistance as A, B or C

TIRE SAFETY

TRACTION / TRACCION

Traction is a tire's ability to stop on wet pavement. A higher graded tire should allow you to stop your vehicle on a wet road in a shorter distance than a tire with lower grade. Traction is graded from highest to lowest as "AA", "A", "B" and "C"

TIRE SAFETY

TREADWEAR

This number will give you the rate at which the tire wears out, the higher the treadwear the longer it should take for the tire to wear out. Hence, a tire graded at 400 should last twice as long as a tire graded at 200

TIRE SAFETY

WHAT WE NEED TO KNOW ABOUT TIRES

- Date of manufacturing
- Maximum inflating pressure
- Traction
- Treadwear
- Maximum load capacity per tire
- Speed Rating
- Temperature resistance
- Tire size

TIRE SAFETY

We hope this information was useful to you, if you have any doubts or questions, please contact the members of your QHSES team they will be glad to assist you in anyway they can, have a safe and successful day.