

Failure Analysis by Component / RFR for Tyres for Aug'07 to July'08

Class 4: Cars

Component	RFR ID	RfR (Reason for Rejection) Description	2007	2007	2007	2007	2007	2008	2008
			Aug	Sep	Oct	Nov	Dec	Jan	Feb
Tyre(s) type	8374	One tyre is of a different nominal size or aspect ratio to any other on the same axle.	4,705	4,622	5,082	4,594	3,222	4,885	4,838
Tyre(s) type	8376	One tyre is of a different nominal size or aspect ratio to any other on the same axle.	591	561	651	574	375	585	607
Tyre(s) type	8378	one tyre is of a different type of structure from another tyre on the same axle	92	91	100	68	55	90	77
Tyre(s) type	8380	a 3- or 4-wheeled vehicle fitted with single wheels and a cross-ply or bias-belted tyre fitted on rear axle and radial-ply tyre on front axle.	7	3	4	1		6	4
Tyre(s) type	8382	a 3- or 4-wheeled vehicle fitted with single wheels and a cross-ply tyre fitted on rear axle and a bias-belted tyre on front axle.	2	1	2		1	1	
Tyre(s) type	8383	Special lightweight or space saving wheels and tyres fitted as a road wheel	269	265	339	311	242	328	343
Tyre(s) condition	8384	a tyre has a cut the length of which is at least 25 mm or 10% of section width, whichever is greater, deep enough to reach the ply or cords	19,223	18,844	20,018	16,328	10,313	15,549	17,294
Tyre(s) condition	8385	a tyre has any of its ply or cords exposed	17,484	17,585	18,703	15,656	9,991	15,617	15,203
Tyre(s) condition	8386	a re-cut tyre fitted to a vehicle not permitted to be so equipped	78	59	70	69	41	51	45
Tyre(s) condition	8387	a tyre has a lump, bulge or tear caused by separation or partial failure of its structure. This includes any lifting of the tread rubber	7,028	6,816	6,907	5,811	3,714	6,086	6,889
Tyre(s) condition	8388	a tyre has a lump, bulge or tear caused by separation or partial failure of its structure. This includes any lifting of the tread rubber	7,725	7,454	7,593	6,287	4,449	7,245	7,933
Tyre(s) condition	8389	a tyre has a lump, bulge or tear caused by separation or partial failure of its structure. This includes any lifting of the tread rubber	4,133	3,904	4,153	3,303	2,076	3,139	3,742
Tyre(s) condition	8390	a tyre incorrectly seated on the wheel rim	173	176	187	183	112	155	169
Tyre(s) condition	8391	a tyre not fitted in compliance with the manufacturers sidewall instruction, e.g. as asymmetric with a sidewalk marked 'outer' fitted with the marking to the inner side of the wheel	4,445	4,519	5,060	4,279	2,954	4,481	4,595
Tyre(s) condition	8392	Tyres on twin wheels making wall contact due to under-inflation or incorrect fitment.	31	31	40	36	25	32	25
Tyre(s) condition	8393	A tyre fouling a part of the vehicle	1,395	1,418	1,550	1,348	730	1,076	1,205
Tyre tread pattern	8394	The grooves of the tread pattern are not at least 1.6mm throughout a continuous band comprising the central three-quarters of the breadth of tread, and round the entire outer circumference of the tyre	384,766	399,550	445,886	384,653	272,652	425,354	417,965
Tyre tread pattern	8395	A tyre with a tread pattern not visible over the whole tread area and the depth of which is not at least 1mm throughout a single band round the entire outer circumference of the tyre of at least three-quarters of the breadth of tread	528	596	620	494	346	538	531
Tyre tread pattern	8396	A tyre with a tread pattern not visible over the whole tread area	124	148	175	131	95	172	160
Tyre(s) valve stem	8397	a seriously damaged or misaligned valve stem which could cause sudden deflation of the tyre	533	536	617	543	327	587	606
Tyre(s) valve stem	8398	a seriously damaged or misaligned valve stem which could cause sudden deflation of the tyre	405	406	419	357	268	432	452
Tyre tread pattern	8587	A tyre with a tread pattern not visible over the whole tread area and the depth of which is not at least 1mm throughout a single band round the entire outer circumference of the tyre of at least three-quarters of the breadth of tread	866	813	809	730	488	771	777
Tyre tread pattern	8588	A tyre with a tread pattern not visible over the whole tread area	214	251	254	230	145	176	200
Tyre tread pattern	8589	The grooves of the tread pattern are not at least 1.6mm throughout a continuous band comprising the central three-quarters of the breadth of tread, and round the entire outer circumference of the tyre	6,132	6,528	7,073	6,477	4,339	6,607	6,425
Tyre tread pattern	8590	The grooves of the tread pattern are not at least 1.6mm throughout a continuous band comprising the central three-quarters of the breadth of tread, and round the entire outer circumference of the tyre	281	261	353	248	187	196	166
Tyre tread pattern	8591	A tyre with a tread pattern not visible over the whole tread area and the depth of which is not at least 1mm throughout a single band round the entire outer circumference of the tyre of at least three-quarters of the breadth of tread	15	16	7	10	5	9	19
Tyre tread pattern	8592	A tyre with a tread pattern not visible over the whole tread area	13	13	11	7			1

<b>Tyre tread pattern</b>	<b>8593</b>	<b>A tyre with a tread pattern not visible over the whole tread area</b>	2	1	3	3	1	2	6
	<b>Sum:</b>		<b>461,260</b>	<b>475,468</b>	<b>526,686</b>	<b>452,731</b>	<b>317,153</b>	<b>494,170</b>	<b>490,277</b>

**Note: The sum of the failures shown against each RfR can exceed the total failures for the component. This is because where there are 2 or more RfR for a particular component it is only counted once at component level.**

**For example, if a vehicle fails as follows:**

**RfR ID 8394 - nearside front tyre worn close to legal limit**

**RfR ID 8589 - offside front tyre worn close to legal limit**

**The number of failures at the component (tyre tread pattern) level will be 1 even though there are 2 failures at RfR level.**

period

2008	2008	2008	2008	2008					
Mar	Apr	May	Jun	Jul	No. of Failures By RFR	No. of MOT Tests	No. of MOT Test Failures	% of Component Failures Failing On Total Tests	Component Failures as % of Total Failures by Component
4,805	5,246	4,894	4,725	4,802	56,420			0.16 %	0.96 %
599	706	644	618	647	7,158			0.02 %	0.12 %
95	108	99	108	95	1,078			0.00 %	0.02 %
4	6	4	2	6	47			0.00 %	0.00 %
2		2	1	4	16			0.00 %	0.00 %
335	374	308	327	356	3,797			0.01 %	0.06 %
19,519	21,598	20,924	21,215	21,631	222,456			0.64 %	3.79 %
16,814	18,706	18,355	19,055	20,149	203,318			0.59 %	3.47 %
56	69	63	69	59	729			0.00 %	0.01 %
7,374	7,641	7,736	7,431	7,422	80,855			0.23 %	1.38 %
8,701	9,038	8,664	8,234	8,192	91,515			0.26 %	1.56 %
4,119	4,751	4,890	4,932	5,058	48,200			0.14 %	0.82 %
184	177	187	182	174	2,059			0.01 %	0.04 %
4,828	5,381	4,932	4,993	5,087	55,554			0.16 %	0.95 %
30	32	30	29	34	375			0.00 %	0.01 %
1,145	1,331	1,398	1,386	1,402	15,384			0.04 %	0.26 %
455,976	461,588	431,030	429,383	454,458	4,963,261			14.36 %	84.63 %
586	567	593	549	657	6,605			0.02 %	0.11 %
170	180	109	101	137	1,702			0.00 %	0.03 %
614	599	587	601	605	6,755			0.02 %	0.12 %
514	545	557	515	520	5,390			0.02 %	0.09 %
853	803	732	706	756	9,104			0.03 %	0.16 %
204	207	217	229	227	2,554			0.01 %	0.04 %
6,972	7,124	6,579	6,369	6,749	77,374			0.22 %	1.32 %
167	162	198	212	240	2,671			0.01 %	0.05 %
21	13	18	4	11	148			0.00 %	0.00 %
1		1	1	1	49			0.00 %	0.00 %

4	11	4	6	1	44			0.00 %	0.00 %
534,692	546,963	513,755	511,983	539,480	5,864,618	34,568,203	9,890,157		100.00 %