

**Failure Analysis by Component / RFR for Tyres for period  
Aug'06 to July'07**

**Class 4: Cars**

Component	RFR ID	RfR (Reason for Rejection) Description	2006	2006	2006	2006	2006	2007	2007	2007
			Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Tyre(s) type	8374	One tyre is of a different nominal size or aspect ratio to any other on the same axle.	4,333	4,421	4,786	4,467	2,989	4,540	4,332	5,155
Tyre(s) type	8376	One tyre is of a different nominal size or aspect ratio to any other on the same axle.	572	555	554	551	359	574	537	665
Tyre(s) type	8378	one tyre is of a different type of structure from another tyre on the same axle	123	126	158	91	66	104	119	117
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.	4	3	4	6	4	1	3	10
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					2
Tyre(s) type	8383	Special lightweight or space saving wheels and tyres fitted as a road wheel	206	216	210	246	202	325	251	315
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	17,381	17,735	16,718	15,170	9,796	15,276	14,625	20,600
Tyre(s) condition	8385	a tyre has any of its ply or cords exposed	14,972	15,723	14,839	13,288	8,702	13,778	12,310	16,618
Tyre(s) condition	8386	a re-cut tyre fitted to a vehicle not permitted to be so equipped	71	83	63	70	62	76	89	88
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	7,174	6,899	6,459	5,689	3,849	6,369	6,230	8,955
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	7,468	7,343	7,011	6,318	4,356	7,022	6,995	9,492
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	2,676	2,512	2,501	2,369	1,480	2,363	2,360	4,006
Tyre(s) condition	8390	a tyre incorrectly seated on the wheel rim	194	193	205	167	116	204	165	217
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	3,879	3,978	3,936	3,686	2,411	3,871	3,677	4,808
Tyre(s) condition	8392	Tyres on twin wheels making wall contact due to under-inflation or incorrect fitment.	47	36	29	31	25	25	31	38
Tyre(s) condition	8393	A tyre fouling a part of the vehicle	1,337	1,396	1,264	1,149	696	1,078	993	1,290
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	343,911	360,101	358,391	321,228	231,586	360,206	338,822	426,698
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	904	878	769	680	476	731	544	680
Tyre tread pattern	8396	A tyre with a tread pattern not visible over the whole tread area	144	138	107	72	69	100	120	95
Tyre(s) valve stem	8397	a seriously damaged or misaligned valve stem which could cause sudden deflation of the tyre	499	548	529	479	318	458	482	558
Tyre(s) valve stem	8398	a seriously damaged or misaligned valve stem which could cause sudden deflation of the tyre	342	353	342	322	206	355	339	428
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	869	820	859	794	602	742	702	994
Tyre tread pattern	8588	A tyre with a tread pattern not visible over the whole tread area	325	311	363	307	187	282	227	271
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	6,883	6,979	6,761	6,343	4,415	6,640	6,068	7,083
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	272	241	368	364	290	365	317	365
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	4	7	12	13	6	18	4	13
Tyre tread pattern	8592	A tyre with a tread pattern not visible over the whole tread area	4	12	8	8	6	9	2	6

<b>Tyre tread pattern</b>	<b>8593</b>	<b>A tyre with a tread pattern not visible over the whole tread area</b>	6	1	8	3	4	7	3	2
	<b>Sum:</b>		<b>414,600</b>	<b>431,608</b>	<b>427,256</b>	<b>383,911</b>	<b>273,278</b>	<b>425,519</b>	<b>400,347</b>	<b>509,569</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

2007	2007	2007	2007					
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
4,680	5,033	4,797	4,869	54,402			0.16 %	1.07 %
555	597	600	634	6,753			0.02 %	0.13 %
81	108	96	119	1,308			0.00 %	0.03 %
4	4	6	6	55			0.00 %	0.00 %
			1	5			0.00 %	0.00 %
263	277	288	295	3,094			0.01 %	0.06 %
18,391	20,149	19,152	19,252	204,245			0.61 %	4.01 %
15,660	17,004	16,769	17,470	177,133			0.53 %	3.48 %
66	79	85	68	900			0.00 %	0.02 %
7,658	7,926	7,488	7,306	82,002			0.25 %	1.61 %
8,143	8,565	7,934	7,883	88,530			0.27 %	1.74 %
3,849	4,335	4,063	4,002	36,516			0.11 %	0.72 %
193	194	196	190	2,234			0.01 %	0.04 %
4,252	4,672	4,605	4,776	48,551			0.15 %	0.95 %
42	38	30	29	401			0.00 %	0.01 %
1,324	1,369	1,342	1,326	14,564			0.04 %	0.29 %
347,363	391,910	386,246	394,730	4,261,192			12.79 %	83.63 %
486	536	611	505	7,800			0.02 %	0.15 %
77	126	131	104	1,283			0.00 %	0.03 %
488	566	533	560	6,018			0.02 %	0.12 %
346	454	408	394	4,289			0.01 %	0.08 %
835	1,061	893	1,001	10,172			0.03 %	0.20 %
176	229	221	269	3,168			0.01 %	0.06 %
5,755	6,474	6,520	6,621	76,542			0.23 %	1.50 %
251	252	277	279	3,641			0.01 %	0.07 %
10	12	12	10	121			0.00 %	0.00 %
8	9	9	19	100			0.00 %	0.00 %

6	1	1	1	43			0.00 %	0.00 %
420,962	471,980	463,313	472,719	5,095,062	33,328,309	9,210,670		100.00 %