

LONDON BUS FLEET AUDIT 30 September 2016

This is a quarterly audit of the London Bus contracted fleet using data collated on 30 September 2016. This is the 18th such audit and this report presents the results and makes comparisons with the previous audits.

1. Summary

The fleet size of 9,462 buses represents an increase of 95 buses in comparison to the last fleet audit on 30 June 2016 total of 9,367. The number of vehicles in the fleet will change from time to time, as new vehicles are delivered and the vehicles they are replacing are being decommissioned. The fleet size has increased in the last year, with additional vehicles being deployed to maintain reliability and capacity.

The current fleet total includes: 833 new Routemasters, 39 Electric buses, 8 Fuel Cell buses and 2,115 Hybrid buses (including new Routemasters). Apart from 10 vintage Routemasters running on one heritage route in central London, the Capital's entire bus fleet is low-floor and wheelchair accessible. The number of hybrid buses has increased to 2,115 since 30 June 2016.

2. London Bus fleet by Age and Type at 30 September 2016

Overall Fleet										
Year	Age	DD	SD	RM	NRM	Diesel	Electric	Fuel Cell	Hybrid	Total
1960	56	1	-	1	-	-	-	-	-	1
1961	55	1	-	1	-	-	-	-	-	1
1962	54	1	-	1	-	-	-	-	-	1
1963	53	-	-	-	-	-	-	-	-	0
1964	52	7	-	7	-	-	-	-	-	7
1996	20	-	-	-	-	-	-	-	-	0
1997	19	-	-	-	-	-	-	-	-	0
1998	18	-	-	-	-	-	-	-	-	0
1999	17	-	-	-	-	-	-	-	-	0
2000	16	-	-	-	-	-	-	-	-	0
2001	15	13	7	-	-	20	-	-	-	20
2002	14	225	124	-	-	349	-	-	-	349
2003	13	455	122	-	-	577	-	-	-	577
2004	12	333	27	-	-	360	-	-	-	360
2005	11	297	73	-	-	370	-	-	-	370
2006	10	245	123	-	-	362	-	-	6	368
2007	9	156	143	-	-	299	-	-	-	299
2008	8	244	206	-	-	444	-	-	6	450
2009	7	675	381	-	-	1038	-	-	18	1056
2010	6	558	237	-	-	754	-	5	36	795
2011	5	743	387	-	-	1023	-	-	107	1130
2012	4	680	307	-	7	861	-	-	119	987
2013	3	480	132	-	112	334	3	3	160	612
2014	2	518	108	-	237	118	5	-	266	626
2015	1	607	174	-	307	188	9	-	277	781
2016	0	537	135	-	170	193	22	-	287	672
Total		6776	2686	10	833	7290	39	8	1282	9462
										9462

3. London Bus fleet by Type 2011 -2016

Bus Type	Drive train type	2011	2012	2013	2014	2015	25/01/2016	31/03/2016	30/06/2016	30/09/2016
New Routemaster	Hybrid	-	5	8	168	432	636	736	801	833
Routemaster	Diesel	18	19	20	19	19	10	10	10	10
Artic	Diesel	260	-	-	-	-	-	-	-	-
Single deck	Diesel	2670	2661	2608	2606	2662	2613	2617	2611	2622
	Fuel Cell	5	5	5	8	8	8	8	8	8
	Hybrid	27	33	28	23	23	57	18	6	22
	Electric	-	-	-	2	8	17	17	17	34
Double deck	Diesel	5487	5787	5696	5296	5026	4884	4794	4777	4668
	Hybrid	79	233	352	643	799	958	981	1132	1260
	Electric	-	-	-	-	-	-	5	5	5
TOTAL		8546	8743	8717	8765	8977	9183	9186	9367	9462

4. London Bus fleet by Euro standards 2006 – 2016

TYPE	2006	2007	2008	2009	2010	2011	2012	2013	2015	25/01/2016	31/03/2016	30/06/2016	30/09/2016
Euro VI	-	-	-	-	-	-	-	2	449	953	1194	1450	1550
EEV	-	-	25	25	308	490	463	858	616	623	631	630	614
Euro V	-	-	-	-	441	928	2263	2660	3687	3649	3633	3694	3723
Euro IV	4	217	565	1180	1671	1754	1989	1771	1625	1615	1628	1521	1594
Euro III	4664	4970	4885	4721	4152	3953	3246	3116	2534	2306	2060	2032	1924
Euro II	3268	2994	2851	2596	2052	1425	777	305	50	12	10	10	10
Pre & Euro I	28	-	-	-	-	-	-	-	-	-	-	-	-
Fleet Total	7964	8181	8326	8522	8624	8550	8738	8712	8977	9183	9186	9367	9462
Fuel Cell	3	-	-	-	-	5	5	5	8	8	8	8	8
Electric	-	-	-	-	-	-	-	-	8	17	22	22	39
Hybrid	1	7	13	30	56	106	266	388	822	1015	999	1138	1282
NRM	-	-	-	-	-	-	1	8	432	636	736	801	833

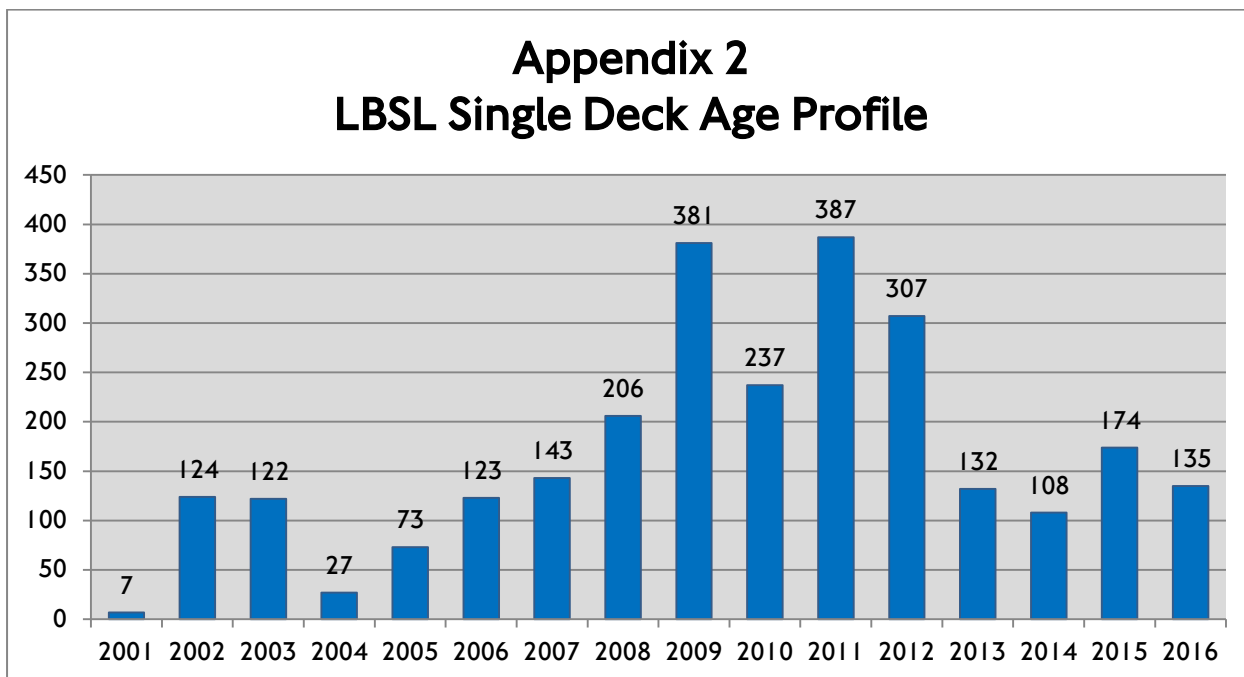
All Euro III buses have been adapted to reduce emission to the equivalent of Euro IV standard or better.

5. London Bus fleet by Operator, Body Type and Euro emission standards at 30 September 2016

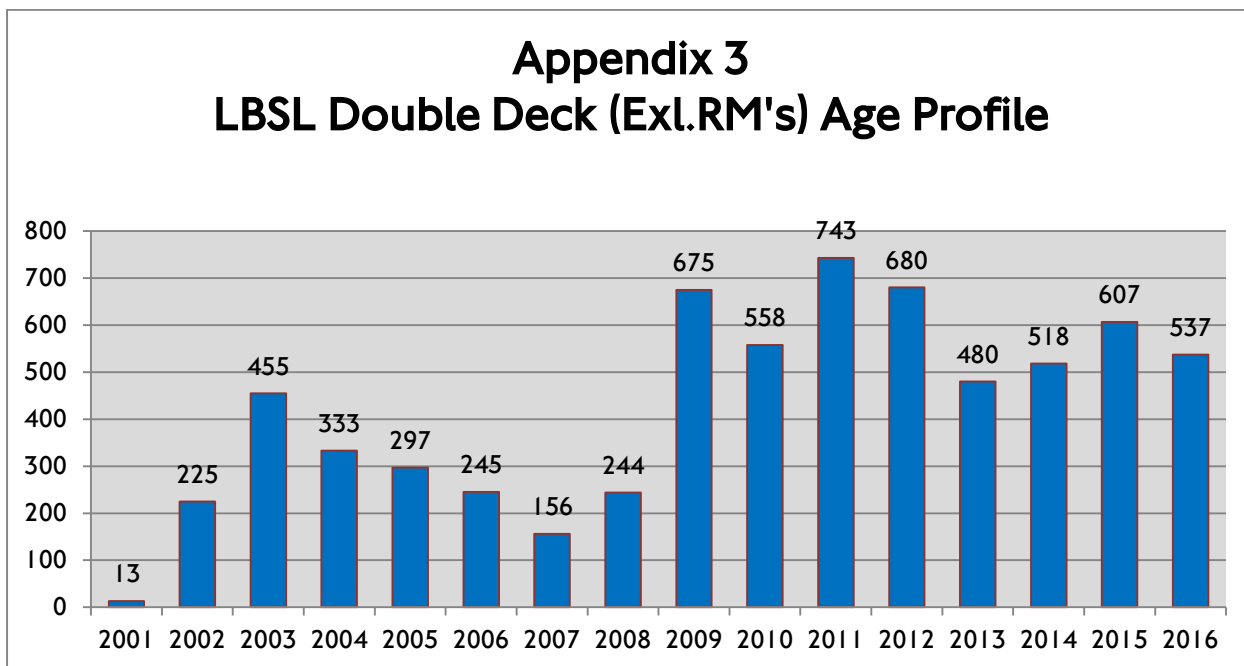
Vehicle Type													
Fuel	Body Type	EU Standard	30/09/2016	Abellio	Arriva Group	CT Plus	Go Ahead Group	RATP	Metroline	Stagecoach	Sullivan Buses	Tower Transit	University Bus
Diesel	Single deck	Euro II	0	-	-	-	-	-	-	-	-	-	-
		Euro III + DPF	0	-	-	-	-	-	-	-	-	-	-
Diesel	Single deck	Euro III + SCR	433	72	66	9	160	73	25	28	-	-	-
		Euro IV	667	10	126	8	122	109	225	61	-	5	1
		Euro V	1072	130	75	36	299	182	147	118	5	80	-
		EEV	86	-	-	-	50	23	-	13	-	-	-
		Euro VI	364	94	32	-	128	42	32	-	-	32	4
	Double deck	Euro II	0	-	-	-	-	-	-	-	-	-	-
		Euro III + DPF	0	-	-	-	-	-	-	-	-	-	-
	Double deck	Euro III + SCR	1485	104	285	12	408	108	256	235	16	61	-
		Euro IV	908	44	114	1	293	99	216	133	4	4	-
		Euro V	1704	94	524	5	423	87	144	296	-	131	-
		EEV	478	-	-	-	-	102	285	5	-	86	-
		Euro VI	93	1	42	-	2	5	-	40	-	3	-
Hybrid	Single deck	Euro III	6	-	-	-	6	-	-	-	-	-	-
		Euro IV	7	-	-	-	1	6	-	-	-	-	-
		Euro V	6	-	-	-	6	-	-	-	-	-	-
		Euro VI	3	-	-	-	3	-	-	-	-	-	-
	Double deck	Euro IV	12	-	-	-	5	2	5	-	-	-	-
		Euro V	668	43	152	1	74	33	134	231	-	-	-
		EEV	50	-	-	-	-	49	1	-	-	-	-
		Euro VI	530	108	20	21	141	56	123	25	-	36	-
NRM	Double deck	Euro V	273	-	106	-	30	82	55	-	-	-	-
		Euro VI	560	85	149	-	132	-	93	101	-	-	-
RM	Double deck	Euro II	10	-	-	-	-	-	10	-	-	-	
Fuel cell	Single deck	Zero Emission	8	-	-	-	-	-	-	-	-	8	-
Electric	Single deck	Zero Emission	34	-	9	-	21	4	-	-	-	-	-
	Double deck	Zero Emission	5	-	-	-	-	-	5	-	-	-	-
Total			9462	785	1700	93	2304	1062	1746	1296	25	446	5

6. Further information is provided by the attached supporting graphs:

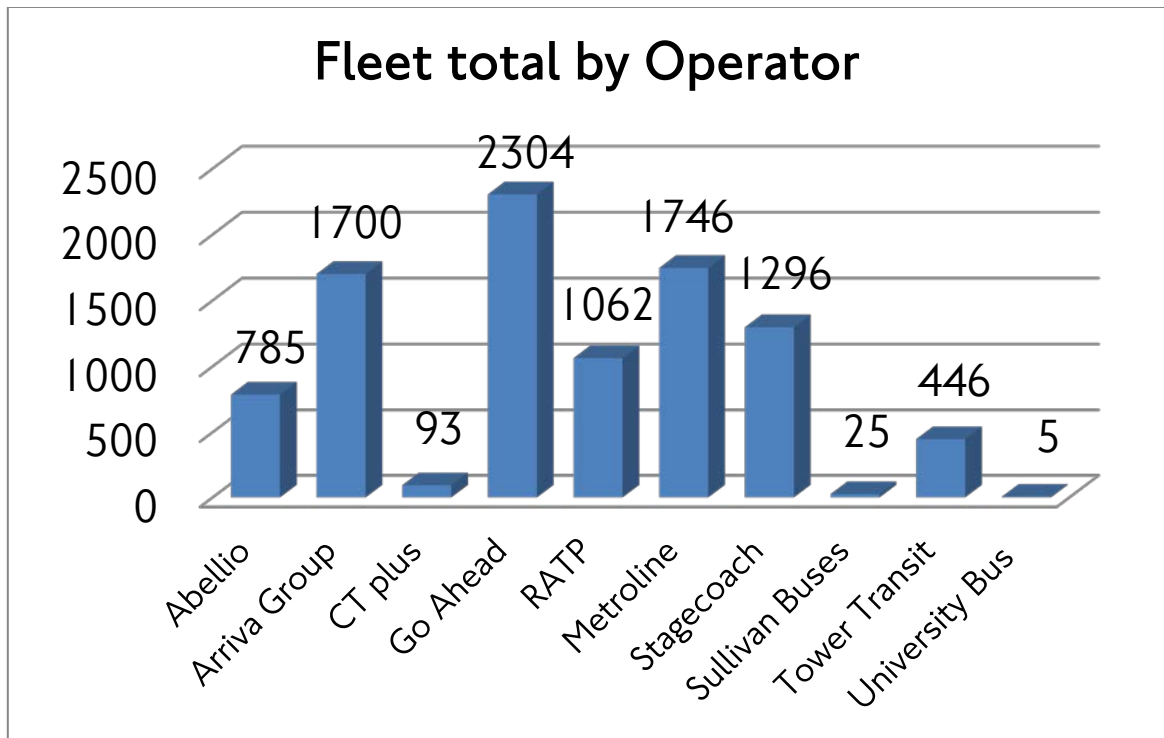
I) London Single Deck Buses Age Profile at 30 September 2016



II) London Double Deck buses (Excl. Routemaster) Age Profile at 30 September 2016



III) London Bus Fleet by Operator at 30 September 2016



IV) London Bus Fleet by Average Age at 30 September 2016

