

## **BUS FLEET AUDIT** **31 March 2019**

This is an audit of the London Buses contracted fleet using data collated on 31 March 2019. This is the 24<sup>th</sup> audit and the report represents the results and makes comparisons with previous audits.

### **1. SUMMARY**

The fleet size of 9,142 buses represents a decrease of 254 buses in comparison to the last fleet audit total on 31 March 2018 of 9,396 buses. 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 also varies in response to service changes.

The fleet total of 9,142 buses includes; 1,000 New Routemasters, 155 Electric buses, 10 Fuel Cell buses and 3,669 Hybrid buses (including NRMs). 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.

### **2. LONDON BUS FLEET BY AGE AND TYPE AS AT 31 MARCH 2019**

The current data as at 31 March 2019 shows the fleet size and the quantity registered in each year by type.

Overall Fleet									
Year	DD	SD	RM	NRM	Diesel	Electric	Fuel Cell	Hybrid	Total
1960	1	-	1*	-	-	-	-	-	1*
1961	1	-	1*	-	-	-	-	-	1*
1962	1	-	1*	-	-	-	-	-	1*
1964	7	-	7*	-	-	-	-	-	7*
2002	3	5	-	-	8	-	-	-	8
2003	19	1	-	-	20	-	-	-	20
2004	26	1	-	-	27	-	-	-	27
2005	62	3	-	-	65	-	-	-	65
2006	24	6	-	-	30	-	-	-	30
2007	136	93	-	-	229	-	-	-	229
2008	213	154	-	-	362	-	-	5	367
2009	587	274	-	-	855	-	-	6	861
2010	468	215	-	-	642	-	5	36	683
2011	632	355	-	-	894	-	-	93	987
2012	659	216	-	7	724	-	-	144	875
2013	471	95	-	106	298	-	3	159	566
2014	513	116	-	236	126	6	-	261	629
2015	619	169	-	314	181	9	-	284	788
2016	823	260	-	227	279	56	-	521	1083
2017	695	336	-	110	328	18	2	573	1031
2018	478	259	-	-	193	66	-	478	737
2019	109	37	-	-	37	-	-	109	146
<b>TOTAL</b>	<b>6547</b>	<b>2595</b>	<b>10</b>	<b>1000</b>	<b>5298</b>	<b>155</b>	<b>10</b>	<b>2669</b>	<b>9142</b>

\* These vehicles only run on Heritage service 15H which operates on Summer Weekends and Bank Holidays only

### 3. LONDON BUS FLEET BY TYPE – 31 MARCH 2010 TO 31 MARCH 2019

Bus Type	Drive train type	31/03/10	31/03/11	31/03/12	31/03/13	31/03/14	31/03/15	31/03/16	31/03/17	31/03/18	31/03/19
New Routemaster	Hybrid	-	-	5	8	168	432	736	953	1000	1000
Routemaster *	Diesel	18	18	19	20	19	19	10	10	10	10
Artic	Diesel	320	260	-	-	-	-	-	-	-	-
Single deck	Diesel	2676	2670	2661	2608	2606	2662	2617	2612	2587	2435
	Fuel Cell	0	5	5	5	8	8	8	8	10	10
	Hybrid	27	27	33	28	23	23	18	18	13	-
	Electric	-	-	-	-	2	8	17	66	91	150
Double deck	Diesel	5554	5487	5787	5696	5296	5026	4794	4380	3453	2863
	Hybrid	29	79	233	352	643	799	981	1564	2227	2669
	Electric	-	-	-	-	-	-	5	5	5	5
<b>TOTAL</b>		8624	8546	8743	8717	8765	8977	9186	9616	9396	9142

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### 4. LONDON BUS FLEET BY EURO STANDARDS – 31 MARCH 2009 TO 31 MARCH 2018

TYPE	31/03/09	31/03/10	31/03/11	31/03/12	31/03/13	31/03/14	31/03/15	31/03/16	31/03/17	31/03/18	31/03/19
Euro VI	-	-	-	-	2	14	449	1194	2300	3383	4045
EEV upgraded to Euro VI	-	-	-	-	-	-	-	-	-	135	225
EEV	25	308	490	463	858	853	616	631	564	309	194
Euro V upgraded to Euro VI	-	-	-	-	-	-	-	-	-	752	2296
Euro V	-	441	928	2263	2660	3151	3687	3633	3585	2611	848
Euro IV upgraded to Euro VI	-	-	-	-	-	-	-	-	-	176	358
Euro IV	1180	1671	1754	1989	1771	1683	1625	1628	1627	1256	861
Euro III upgraded to Euro IV	4721	4152	3953	3246	3116	2934	2534	2060	1451	658	140
Euro II	2596	2052	1425	777	305	121	50	10	10*	10*	10*
Fuel Cell	-	-	5	5	5	8	8	8	8	10	10
Electric	-	-	-	-	-	2	8	22	71	96	155
<b>Fleet Total</b>	<b>8522</b>	<b>8624</b>	<b>8550</b>	<b>8738</b>	<b>8712</b>	<b>8765</b>	<b>8977</b>	<b>9186</b>	<b>9616</b>	<b>9396</b>	<b>9142</b>
Hybrid (excl NRM)	30	56	106	266	388	662	822	999	1582	2240	2669
NRM Hybrid	-	-	-	1	8	168	432	736	953	1000	1000

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As at 31 March 2019, a total of 7,089 buses in the fleet are to the equivalent of Euro VI standards or better. This represents a total of 77.54% of the fleet.

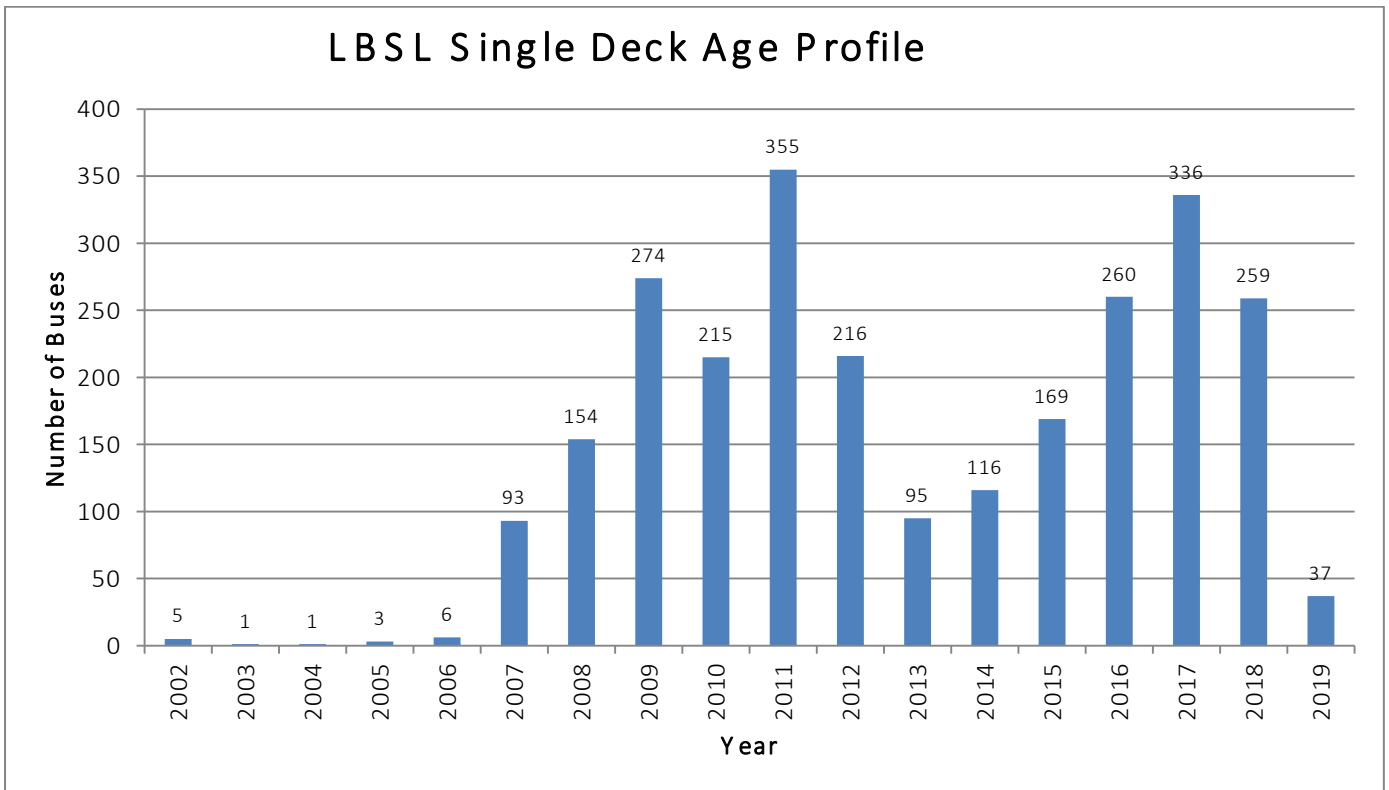
## 5. LONDON BUS FLEET BY OPERATOR, BODY TYPE AND EURO EMISSION STANDARDS AS AT 31 MARCH 2019

Fuel	Body Type	EU Standard	31/03/19	Abellio	Arriva Group	CT Plus	Go Ahead Group	Metroline	RATP	Stagecoach	Sullivan Buses	Tower Transit	University Bus
Diesel	Single deck	Euro III upgraded to Euro IV	11	3	-	-	4	1	3	-	-	-	-
		Euro IV	387	12	26	1	53	187	95	13	-	-	-
		Euro V	454	58	12	24	117	47	103	93	-	-	-
		EEV	23	-	-	-	-	-	23	-	-	-	-
		Euro IV upgraded to Euro VI	114	-	39	1	36	11	-	24	-	3	-
		Euro V upgraded to Euro VI	402	33	75	-	140	90	15	7	6	36	-
		EEV upgraded to Euro VI	19	-	-	-	19	-	-	-	-	-	-
	Euro VI	1025	172	71	76	181	76	231	141	17	56	4	
	Double deck	Euro III upgraded to Euro IV	129	-	38	-	17	23	9	36	3	3	-
		Euro IV	469	6	42	-	39	195	91	92	4	-	-
		Euro V	354	25	71	2	106	33	45	54	14	4	-
		EEV	171	-	-	-	-	94	77	-	-	-	-
		Euro IV upgraded to Euro VI	244	6	90	-	140	1	-	-	3	4	-
		Euro V upgraded to Euro VI	1192	71	414	-	298	73	31	201	9	95	-
EEV upgraded to Euro VI		184	-	10	-	-	137	-	-	-	37	-	
Euro VI	120	-	41	-	3	-	5	59	12	-	-		
Hybrid	Double deck	Euro IV	5	-	-	-	-	5	-	-	-	-	-
		Euro V	40	-	-	-	-	20	20	-	-	-	-
		Euro V upgraded to Euro VI	398	43	152	1	73	52	51	26	-	-	-
		EEV upgraded to Euro VI	22	-	-	-	-	-	-	-	-	22	-
		Euro VI	2204	180	266	47	566	505	177	345	-	118	-
NRM	Double deck	Euro V upgraded to Euro VI	306	-	107	-	30	56	79	34	-	-	-
		Euro VI	694	111	189	-	241	95	17	41	-	-	-
RM *	Double deck	Euro II	10	-	-	-	-	-	-	10	-	-	-
Fuel cell	Single deck	Zero Emission	10	-	-	-	-	-	-	-	-	10	-
Electric	Single deck	Zero Emission	150	-	9	-	78	23	40	-	-	-	-
	Double deck	Zero Emission	5	-	-	-	-	5	-	-	-	-	-
<b>Total</b>			<b>9142</b>	<b>720</b>	<b>1652</b>	<b>152</b>	<b>2141</b>	<b>1729</b>	<b>1112</b>	<b>1176</b>	<b>68</b>	<b>388</b>	<b>4</b>

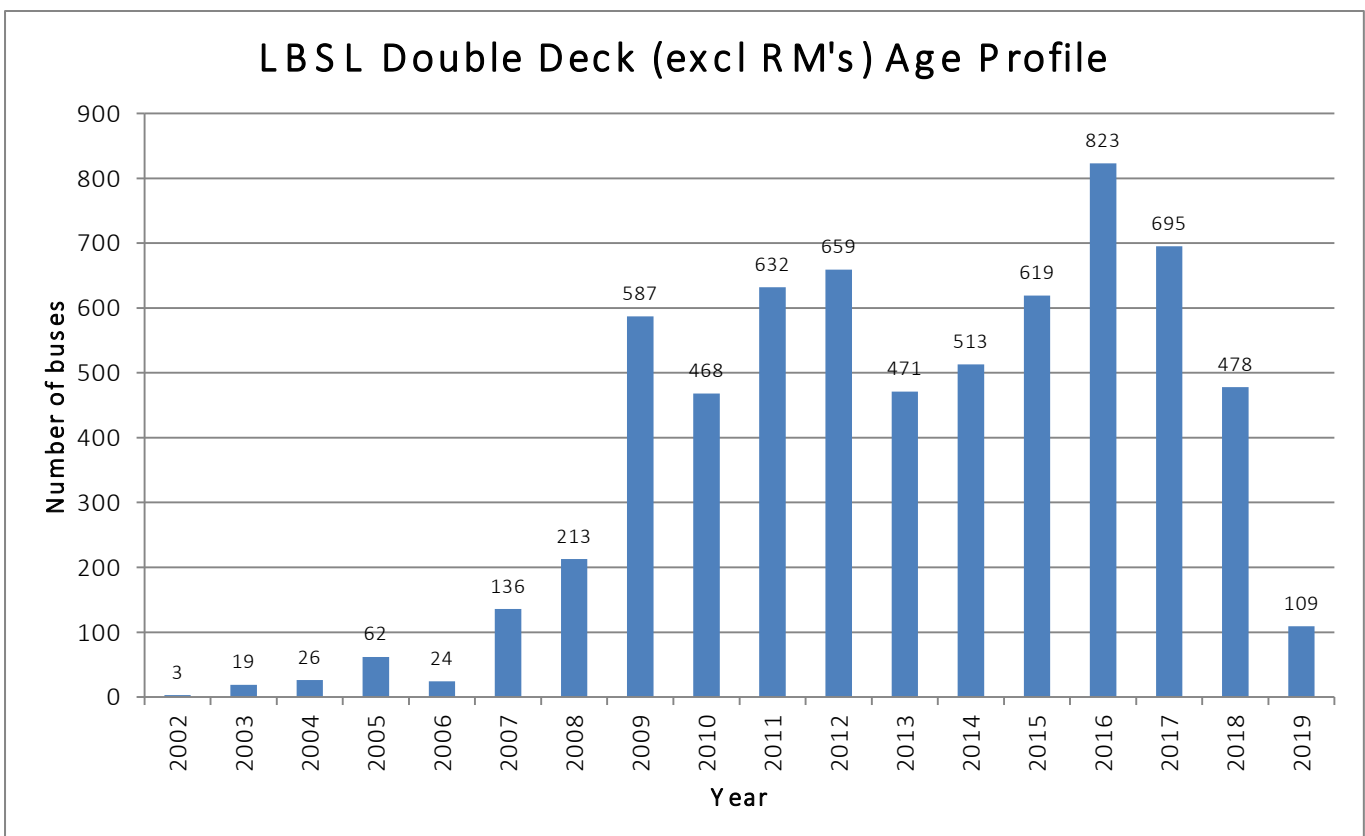
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**6. FURTHER INFORMATION IS PROVIDED BY THE FOLLOWING SUPPORTING GRAPHS**

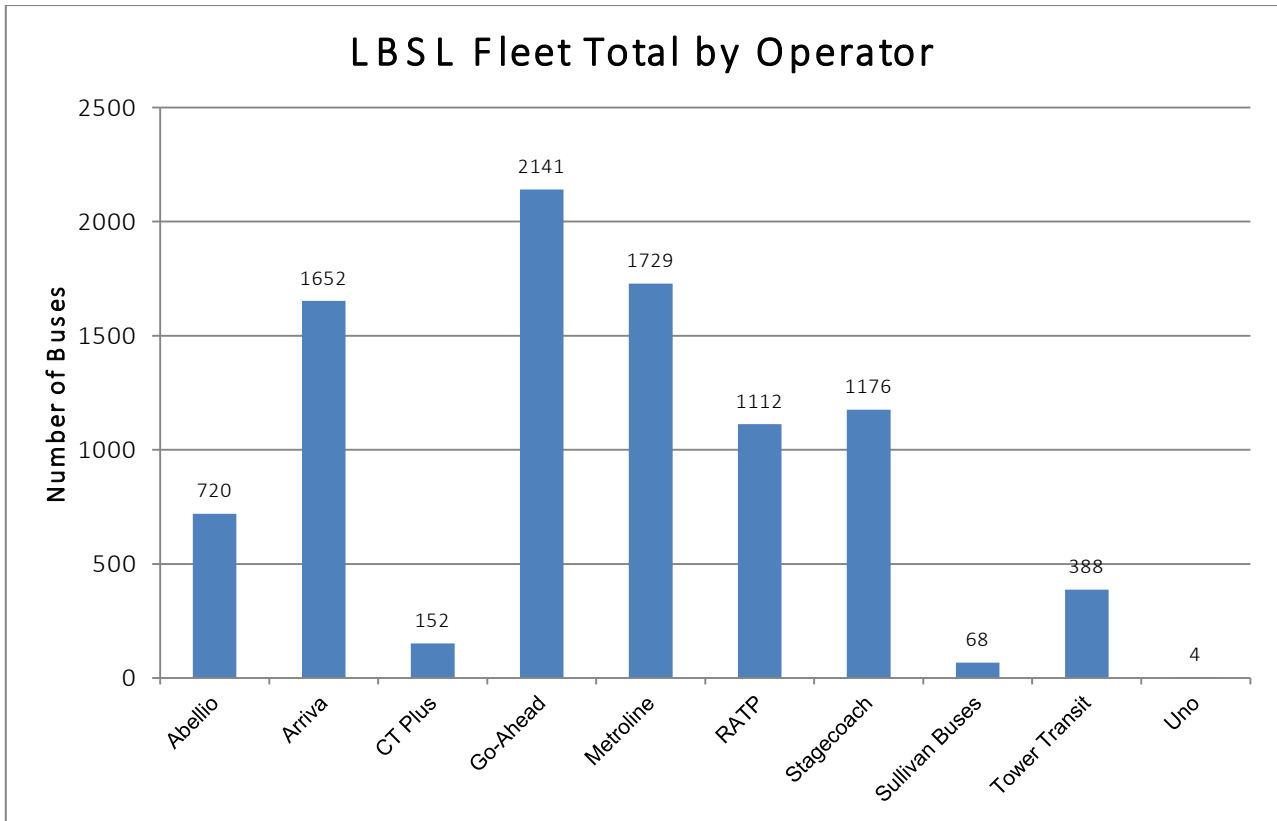
**i) London Single Deck Buses Age Profile as at 31 March 2019**



**ii) London Double Deck Buses (excl Routemaster) Age Profile as at 31 March 2019**



iii) London Bus Fleet by Operator as at 31 March 2019



iv) London Bus Fleet Average Age by Operator as at 31 March 2019

