

Tyne and Wear Fire and Rescue Service

Creating the Safest Community



Accidental Vehicle Fires 2017/18 to 2022/2023

Data, Intelligence and Safety

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Contents

1 Request 3

2 Reply 3

3 Data 4

1 Request

I would like to request under the Freedom of Information Act data held by Tyne and Wear Fire and Rescue Service on vehicle fires attended by your emergency crews for the financial years 2017-18 to 2022-23 inclusive.

The information I am seeking relates directly to vehicles which have caught fire either while parked or while in use. An example would be a car which catches fire while parked outside a house or a car which catches fire while driving along the road.

I am not looking for information on vehicles which have been deliberately set alight or that have caught fire after being involved in a road traffic collision.

I would like information held by Tyne and Wear Fire and Rescue Service broken down into the following categories:

Type/Class of vehicle (such as Car/SUV/MPV/Van/HGV)
Make: (Such as Ford/Vauxhall/Mercedes/LandRover)
Model: (Such as Mondeo/Corsa/E-Class/Discovery)
Fuel: (Such as Petrol/Diesel/LPG/Hydrogen/Hybrid/Electric)

I would also like information as to whether the vehicle fire caused any casualties / fatalities or caused damage to other vehicles / buildings.

2 Reply

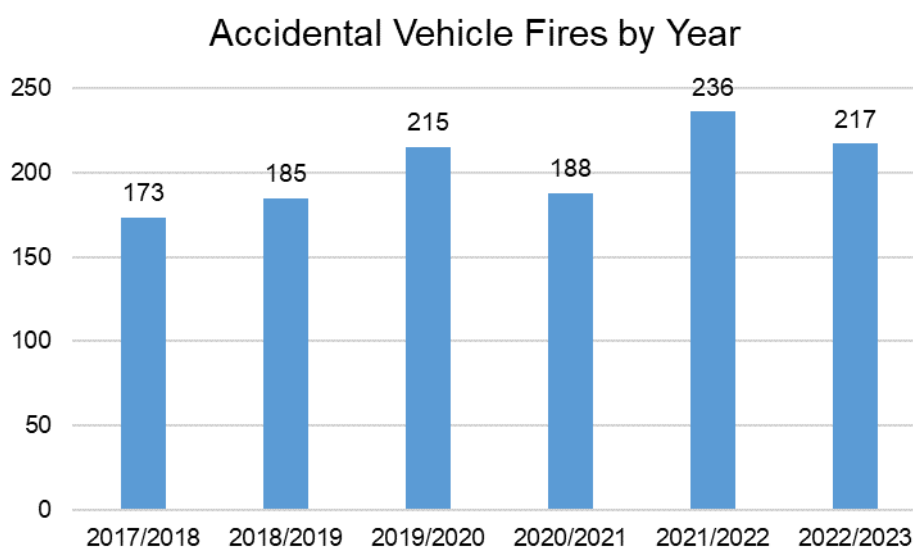
- 2.1 The following information is taken from Tyne and Wear Fire and Rescue Service (TWFRS) Incident Recording System (IRS). An IRS incident record is completed by the Officer in Charge for every incident attended.
- 2.2 Firefighters record the suspected motive (reason) for the start of a fire. Fires are categorised as: accidental, deliberate or unknown according to the probable cause, as observed at the scene.
- 2.3 Sometimes, it is not possible to determine a motive. In such cases the motive will be recorded as 'not known'. As a general rule, fires where the motive is 'not known' are counted with accidental fires. So, accidental fires will include a small number of fires where the motive cannot be determined with any reliability.
- 2.4 This is the number of accidental and not known vehicle fires attended by TWFRS within Tyne and Wear over the six fiscal years from (1st April 2017 to 31st March 2023).
- 2.5 The type of vehicle is obtained from the property types in our IRS incident recording system.

2.6 Makes and models of vehicles are not always recorded on the incident reports. Where they are mentioned I have included them in the tables in this report, but approximately 30% of the incident reports do not mention either the make or model.

2.7 Our incident reports do not ask for the fuel type of the vehicle so this data is not available.

3 Data

3.1 All accidental/not known vehicle fires in Tyne and Wear over the six year period of this report. There is an upward trend in the number of accidental/not known vehicle fires over this six year period. The dip in 2020/21 coincides with the Covid lockdown period.



3.2 Vehicle fires by the property type in the Incident Recording System (IRS).

Vehicle Type	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	Total
Car	125	135	161	114	177	149	861
Van	26	23	19	42	25	29	164
Bus/coach	5	7	6	9	10	10	47
Lorry/HGV	6	11	8	4	7	10	46
Motorcycle	1	2	7	7	8	10	35
Other	3	2	5	8	2	6	26
Minibus	3	2	2	2	2	0	11
Multiple Vehicles	0	0	4	1	3	1	9
Motor Home	2	2	2	0	1	1	8
Agricultural	2	1	0	1	1	1	6
Tanker	0	0	1	0	0	0	1
Total	173	185	215	188	236	217	1214

3.3 124 (10.2%) of the 1214 vehicle fires resulted in fire spread which damaged adjacent property.

3.4 12 of the 1214 vehicle fires resulted in casualties/fatalities.

Injury Severity	Total
First aid given at scene	4
Precautionary check recommended	3
Victim went to hospital, injuries appear to be Slight	3
Victim went to hospital, injuries appear to be Serious	1
Fatal	1
Total	12

3.5 Make and Model of vehicles. The vehicle make was not stated in 412 incidents.

Make and Model	Total
Not Stated	412
Model Not Stated	395
Bus	11
Van	3
Bin Wagon	1
Ambulance	1
Coach	1
Ford	154
Transit	62
Focus	32
Fiesta	27
Mondeo	6
Kuga	6
Galaxy	3
Transit Minibus	2
Toureno	2
Zetec	2
Model Not Stated	2
8240 Tractor	1
Ka	1
Tipper	1
Fusion	1
C-Max	1
Cougar	1
Luton Van	1
Ranger	1

OFFICIAL

Escort	1
Pro Cab	1
Vauxhall	107
Astra	28
Corsa	25
Insignia	15
Zafira	13
Model Not Stated	5
Vectra	5
Meriva	3
Vivaro	3
Mokka	3
Cavalier	2
Combo	2
Grandland X	1
Antara	1
VXR	1
VW	67
Golf	22
Passat	10
Polo	8
Scirocco	3
Transporter	3
Beetle	3
Caddy	3
Tiguan	2
Camper Van	2
Van	2
Golf TDI	1
Crafter van	1
Sharan	1
Touran	1
CC	1
Insignia	1
Polo TDI	1
Amarok	1
People Carrier	1
BMW	65
Model Not Stated	15
3 Series	8
320	8
330	4
1 series	4
5 series	3

OFFICIAL

118	3
318	3
520	2
4 series	2
Sport Compact	1
535	1
X5	1
502	1
GSA R1200	1
120	1
X1	1
335	1
Z4	1
525	1
118i	1
520d	1
2 series	1
Mercedes	49
Model Not Stated	8
Sprinter Van	6
Bin Wagon	2
ML 270	2
Citro	2
C220	2
E250	2
S63	1
Vito coffee/catering van	1
Van	1
C220 CDI	1
C200	1
C class	1
C200 Compressor	1
Citro Bus	1
Vito 110C	1
Citro single decker bus	1
C	1
CLK 200 compressor	1
R320	1
D530	1
Single Decker Bus	1
E220 CDI	1
Taxi	1
250	1

OFFICIAL

vito 109 cdi	1
E350d	1
Vito 114	1
G63 AMG	1
C200 Executive	1
mini bus	1
ML	1
Audi	46
A4	18
A3	12
A6	4
TT	3
A5	3
Model Not Stated	2
Q7	2
A2	1
A1	1
Renault	33
Clio	16
Scenic	5
Traffic	2
Model Not Stated	2
Megane	2
Sprinter Van	1
Master	1
Laguna Coupe	1
Megane Coupe	1
Business Van	1
Laguna	1
Nissan	31
Qashqai	9
X-Trail	6
Juke	5
Note	4
Micra	4
NV-400	1
Highway Star	1
Almera	1
Citreon	24
C4	4
Picasso	4
Dispatch	4
Berlingo	3
C3	2

OFFICIAL

Qashqai	1
Orlando	1
Box Van	1
Crosser MPV	1
Relay	1
DS	1
DS3	1
Peugeot	23
307	4
207	3
Partner	3
Model Not Stated	3
Boxer	2
206	2
Teppe Taxi	1
308	1
208	1
Expert	1
407	1
2008	1
Seat	20
Leon	12
Model Not Stated	3
Ibiza	3
Toledo	1
Ateca	1
Land Rover	19
Freelander	8
Discovery	5
Model Not Stated	2
Van	1
Defender	1
Evoque	1
Range Rover	1
Volvo	18
V50	3
Model Not Stated	3
S40	3
XC90	2
C30	2
350	1
V70	1
Estate	1
S80 D5	1

OFFICIAL

Bus	1
Skoda	13
Fabia	5
Model Not Stated	3
Octavia	2
Yeti	1
Toledo	1
Rapid	1
Fiat	12
Punto	6
Scicento	1
Bluebird	1
Ducato	1
Tipo	1
Fiorino	1
Panda	1
Mini	12
Model Not Stated	6
Cooper	6
Jaguar	11
Model Not Stated	3
XF	3
X Type	2
XJ	1
S Type	1
XE	1
Toyota	9
Prius Hybrid	1
D4D	1
Auris	1
Auris Hybrid	1
hi-lux	1
Aygo	1
Proace Verso	1
Carolla	1
COROLLA HYBRID	1
Range Rover	9
Model Not Stated	8
Sport	1
Mazda	8
6	3
Model Not Stated	2
RX8	1
2	1

OFFICIAL

Bongo	1
Suzuki	8
Swift	4
Vitara	2
X-90	1
Splash	1
Honda	8
Civic	4
Model Not Stated	1
Goldwing	1
CBR 600	1
CRV	1
Iveco	8
Daily	4
Model Not Stated	3
Stralis	1
Scania	5
Omnicity	1
Coach	1
Truck	1
F450	1
Irazar	1
Jeep	3
Cherokee	2
Wrangler	1
Yamaha	3
XJ 650	1
Model Not Stated	1
YBR125	1
Saab	3
93	1
Model Not Stated	1
95	1
MAN	2
Model Not Stated	1
A66 Enviro200	1
Golf	2
TDI	1
GTI	1
LDV	2
Pilot	1
Maxus	1
Dodge	2
Model Not Stated	1

OFFICIAL

Nitro	1
JCB	2
Model Not Stated	1
Track Air	1
Vanhoool	1
Coach	1
Quadzilla	1
500 Buggy	1
Wacker Neuson	1
TH522	1
Lexus	1
IS 220D	1
Terex	1
Pegson XR400	1
Aygo	1
Model Not Stated	1
Econic	1
Refuse Wagon	1
Citroen	1
Berlingo	1
Aprilia	1
Shiver 750	1
Kuboto	1
KX016-4 mini digger	1
Talbot	1
Express motorhome	1
Claas420	1
ArionTractor	1
Multilift XR	1
XR	1
Kia	1
Carens	1
Hyaundi	1
Accent	1
MG	1
ZS silver	1
Enviro e400	1
Bus	1
Smart	1
Fortwo Cabriolet	1
Wright	1
Bus	1
Solo	1
682 Bus	1

OFFICIAL

John Deere	1
Model Not Stated	1
SSang Yong	1
Tivoli EX	1
1 series	1
Model Not Stated	1
Rover	1
MG Estate	1
Total	1214