

CASTROL - A PROUD HISTORY OF FUELLING PIONEERS

Since the birth of the brand in 1899, Castrol has always been synonymous with pioneering achievements

TIMELINE

The Land Speed Record has been broken with Castrol an amazing 21 times! Here are some of the highlights:

1924



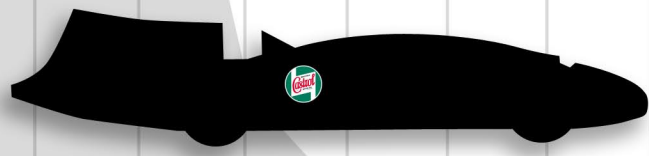
SIR MALCOLM CAMPBELL, 146mph - 350hp Sunbeam

1929



SIR HENRY SEGRAVE, 231mph - Golden Arrow

1935



SIR MALCOLM CAMPBELL, 301mph - Blue Bird V

1983



RICHARD NOBLE, 633mph - Thrust 2

1997

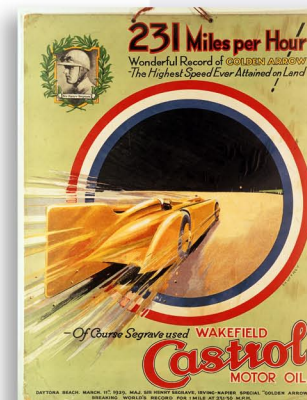
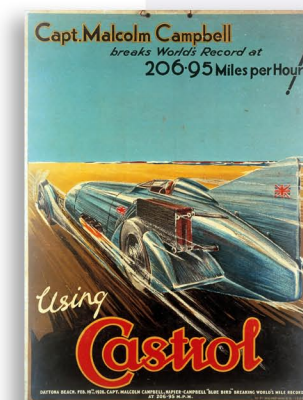


ANDY GREEN, 763mph - Thrust SSC
(the only car ever to travel at faster than the speed of sound)

2015
2016



Castrol now partner BLOODHOUND SSC in their bid for 1000mph ... and the Castrol Rocket - attempting the 400mph, Two Wheel Land Speed Record in 2014.



BLOODHOUND SSC

Castrol lubricants are an integral part of the car:

BRAKE FLUID

Stopping a 7.5 tonne car from 200mph takes big brakes. Bloodhound will use motorsport formula Castrol React SRF

HYDRAULICS

Many of the cars systems, such as airbrakes, are hydraulically operated - Castrol has also developed hydraulic fluids especially for NASA

RACING CAR ENGINE

BLOODHOUND SSC will use a 750hp engine to pump the oxidiser into the rocket. Inside will be Castrol EDGE - perhaps the same as in your car!

TECHNICAL DATA

Length	13.47m
Height	3.57m
Mass	7786kg
Wheel Weight	90kg
Wheel Diameter	91cm
Wheel Speed	10,304rpm
Jet Engine Thrust	90kN
Rocket Thrust	122kN
Design Speed	1050mph
0-1000mph	55secs
Measured Mile	3.6secs

ROCKET SYSTEM

The greases used in the rocket system will have to endure very extreme conditions. Castrol Braycote can operate in temperatures from -80°C to 206°C and has been frequently used in the space shuttle and satellites.

WHEELS

The 90kg solid aluminum wheels will spin 170 times a second - with suspension loadings of up to 30 tonnes. Castrol will be used to keep the bearings spinning smoothly.



www.bloodhoundssc.com

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.

