

GREIG WESTERN 1804348

13/5/22

MATERIALS + SUSTAINABILITY

ACTA 6012

1c)

HYDROGEN WILL REQUIRE ENTIRELY NEW INFRASTRUCTURE IN PRESSURE RESISTANT TANKS WITH VERY TIGHT TOLERANCE SEALS. VEHICLES FUEL STORAGE FACILITIES WILL ALSO NEED TO BE CHANGED TO ACCOUNT FOR THE SAME ISSUES, AND MUST BE IN ADDITION TO ANY EXISTING PETROL FUEL SYSTEM, INCREASING WEIGHT. THE TRANSPORT OF HYDROGEN TO FUEL STATIONS MUST ALSO ~~BE~~ BE ADDRESSED, POSSIBLY USING PIPELINES INSTEAD OF TANKERS.

BIOETHANOL WOULD REQUIRE A MASSIVE INCREASE IN THE PRODUCTION OF CROPS TO PRODUCE THE FUEL. THE FUEL, BEING HYGROSCOPIC, ALSO HAS A SHORTER SHELF LIFE THAN PETROL ALONE DUE TO THE INGRESS OF WATER. STORAGE TANKS AND FUEL DISPENSING PIPES MUST ALSO BE RESISTANT TO CORROSION AND RUBBER BEING BROKEN DOWN BY THE FUEL.