

1

00:00:00,000 --> 00:00:07,200

Listen, do not under any circumstances try this at home. We're what you call experts. We do this for a living

2

00:00:09,640 --> 00:00:15,280

The mythbusters are leaping into the unknown in their search for scientific truth

3

00:00:15,280 --> 00:00:18,140

It's like in here very clearly under there. It sounds like a bad thing

4

00:00:18,480 --> 00:00:24,840

Could a scuba diver be sucked up by a firefighting helicopter and dropped into the middle of the flames

5

00:00:25,880 --> 00:00:29,720

What really happens when you add mothballs to your gas tank?

6

00:00:30,040 --> 00:00:38,000

They'll say warning flammable and is Hollywood telling us the truth will a car really explode if you shoot the gas tank?

7

00:00:38,000 --> 00:00:40,000

You make the men firing

8

00:00:44,720 --> 00:00:51,200

My missing and I drop Adam Savage. I reject the reality and substitute my own

9

00:00:51,960 --> 00:00:56,000

Jamie Heineman crack damm you. I wouldn't say Jamie's an evil genius

10

00:00:57,000 --> 00:01:06,400

Between them more than 30 years special effects experience when will the fun ever stop they don't just tell them it they put them to the test

11

00:01:15,000 --> 00:01:20,560

It's big it's red it's dangerous and it's got Adam really excited

12

00:01:20,560 --> 00:01:26,460

But what's it got to do with scuba divers and forest fires

13

00:01:28,520 --> 00:01:35,560

Well the story goes that a scuba diver was found in a tree in the middle of a charred forest about 50 miles inland and

14

00:01:35,560 --> 00:01:39,720

The speculation was that the scuba diver was scooped up by one of those

15

00:01:40,120 --> 00:01:43,680

firefighting helicopters or airplanes and dumped in the forest

16

00:01:43,760 --> 00:01:48,200

That's one of the worst ways to go I can imagine one minute. You're swimming in the water next minute

17

00:01:48,960 --> 00:01:50,960

Deposit into a burning tree

18

00:01:52,080 --> 00:01:56,600

Folklorist Heather Joseph with them knows all about this well-traveled myth

19

00:01:56,880 --> 00:02:02,200

This story has been around at least since 1987 it appeared as an internet story

20

00:02:02,600 --> 00:02:08,080

Attached to something called the California examiner, which is the newspaper that doesn't really exist now

21

00:02:08,160 --> 00:02:14,520

This story has numerous variations. It appears in Australia. It appears in British Columbia, and it appears in France

22

00:02:14,640 --> 00:02:17,480

It shows up in a CSI episode

23

00:02:17,760 --> 00:02:23,760

You have it in the 1999 film Magnolia and in Peter Mayle's novel a year in Provence

24

00:02:23,760 --> 00:02:27,760

I think the first thing we've got to do is actually research some of these

25

00:02:28,440 --> 00:02:33,620

water gathering planes and helicopters used for firefighting and see if this is even remotely

possible

26

00:02:34,280 --> 00:02:36,280

Since the 1940s

27

00:02:36,440 --> 00:02:40,960

firefighters have used water dropped from aircraft to help control forest fires

28

00:02:41,680 --> 00:02:46,000

Some fixed-wing aircraft skim water from the surface of lakes and oceans

29

00:02:46,720 --> 00:02:54,120

But the Martin Mars the biggest water bomber in the world has an intake scoop only six inches in diameter

30

00:02:54,240 --> 00:03:00,480

Far too small to fit a scuba diver. However, the myth may be possible with a helicopter

31

00:03:00,600 --> 00:03:05,520

One of the most successful helicopter-borne systems is known as the Bambi Bucket

32

00:03:05,800 --> 00:03:07,280

We're out here at Oakland Airport

33

00:03:07,280 --> 00:03:11,840

We're actually the airport police have been kind enough to let us view their Bambi Bucket

34

00:03:11,840 --> 00:03:14,120

They dangle from this very helicopter

35

00:03:14,280 --> 00:03:19,960

I've heard the myth before but when I heard it he was laying on the ground and burned a dead

36

00:03:20,240 --> 00:03:25,780

Instead of being up in a tree. The best way to think about a Bambi Bucket is it's kind of like an upside-down

37

00:03:26,440 --> 00:03:33,320

Parachute with a hole in the center they drop it from the helicopter and lower it into water and as they come up

38

00:03:33,320 --> 00:03:36,580

It fills with water they get to a location. They want to drop it

39

00:03:36,700 --> 00:03:44,060

Actually pull a cable right here and it releases the valve and dumps 120 gallons on the fire

40

00:03:46,380 --> 00:03:52,200

So this is the Bambi Bucket. Yes, it's cute. It's tiny all the helicopters are equipped with a mirror

41

00:03:52,380 --> 00:03:56,460

So reasonably anybody should see someone in a Bambi Bucket struggling

42

00:03:57,300 --> 00:04:00,500

Oh my god, it's a scuba diver quick. Hit him with a rocket propelled grenade

43

00:04:02,220 --> 00:04:06,860

There's just no way a scuba diver will fit into this Bambi Bucket

44

00:04:06,860 --> 00:04:11,420

I think our work here is done. I think it's time to look for something bigger. Bigger is better. Bigger is always better

45

00:04:14,540 --> 00:04:18,460

Actually, you know, I was thinking about this and they have these things called Erickson Skycranks

46

00:04:18,460 --> 00:04:23,100

They're huge helicopters. They have a tank and they have a hose coming down out of the tank

47

00:04:23,100 --> 00:04:25,100

There's a pump on the end of the hose

48

00:04:25,380 --> 00:04:31,260

Conceivably there could be enough suction created on the end of that hose that it could actually suck a diver

49

00:04:31,580 --> 00:04:35,060

Onto it presumably on his torso and then pick him up and carry him away

50

00:04:35,140 --> 00:04:38,020

The Erickson is Jamie's kind of chopper

51

00:04:38,340 --> 00:04:45,140

It weighs it at 10 tons can lift 2,000 gallons of water and maybe a scuba diver

52

00:04:45,500 --> 00:04:52,040

Yeah, you know the helicopter with the pump. It is the only one with active suction. I mean, I guess it's conceivable that it could work

53

00:04:52,480 --> 00:04:57,800

I'm a little dubious though. This is the perfect myth buster scenario where we have about you know

54

00:04:57,800 --> 00:05:02,840

three or four days to build something that took some engineers like ten years to develop and I

55

00:05:03,520 --> 00:05:10,600

Understand that what's inside these pumps these these things that they have on the end of helicopters is actually just a propeller blade

56

00:05:10,600 --> 00:05:13,240

It's not that unlike what's on the end of an outboard

57

00:05:13,400 --> 00:05:18,120

So let's get an outboard and reorient it. We do a little welding. We're there

58

00:05:18,280 --> 00:05:23,600

We get to start with a trip to the boat store and go shopping you bet always on the lookout for a bargain

59

00:05:23,600 --> 00:05:27,760

The myth musters have tracked down a second hand outboard across town

60

00:05:30,400 --> 00:05:35,400

225 horsepower is a lot of horsepower turning a 13 or 14 inch propeller

61

00:05:39,240 --> 00:05:42,560

You can't look he giggles like a schoolgirl. It's so cute

62

00:05:43,560 --> 00:05:51,400

But the pump requires a lot more than just an outboard motor and this means a trip to the myth busters favorite junkyard

63

00:05:54,240 --> 00:05:57,600

We came here last year looking for a tank for the chicken cannon

64

00:05:57,680 --> 00:06:04,160

We're here this time looking for a funnel which is kind of hard to make actually and they just have stuff like that here

65

00:06:04,240 --> 00:06:11,040

Over here guys this code just saved us two days of work. It looks like it might just make it, you know as usual

66

00:06:11,440 --> 00:06:14,040

Adams impatience gets the better of him

67

00:06:23,520 --> 00:06:27,360

Unfortunately the funnel is part of a much bigger lot and can't be separated

68

00:06:28,360 --> 00:06:35,600

Bummer the whole thing right here that Adams plan is stymied and he's getting irritated and you've got flanges

69

00:06:35,600 --> 00:06:39,880

Yeah, we can potentially we could be done with this just by cutting that

70

00:06:41,040 --> 00:06:45,800

And welding it onto one of these flanges totally agree and we're done with all pieces. I'm totally down with that

71

00:06:45,960 --> 00:06:49,000

But I can see Jamie, you know, oh well, maybe if we

72

00:06:49,520 --> 00:06:51,520

cut it down on the lathe and then

73

00:06:51,960 --> 00:06:58,840

You know cast it molded into different material and then sent it away to be replicated by some military organization

74

00:06:58,840 --> 00:07:00,840

I'll be pretty simple

75

00:07:00,840 --> 00:07:02,840

One of his ridiculous solutions

76

00:07:03,200 --> 00:07:04,920

Can't believe that guy

77

00:07:04,920 --> 00:07:09,880

Adams anger evaporates quickly especially if there's a big tank to play in

78

00:07:11,040 --> 00:07:13,960

Adam did you hear the guy tell us what this was for?

79

00:07:14,960 --> 00:07:16,960

Like a fecal matter

80

00:07:18,720 --> 00:07:26,480

Last Jamie finds the right funnel, but it is separable from the other machinery and I figure like it end up about there

81

00:07:26,720 --> 00:07:28,720

Looks like I have to eat my words

82

00:07:29,120 --> 00:07:31,120

Yes, I'm sorry Jamie

83

00:07:31,480 --> 00:07:36,120

Before the mythbusters build their scuba pump. It's time to hit the road

84

00:07:36,280 --> 00:07:43,220

There are more than 600 million cars in the world today and

85

00:07:43,960 --> 00:07:45,960

Almost as many myths about them

86

00:07:46,400 --> 00:07:50,600

Sounds like fertile ground for a pair of myth busting motor mounts

87

00:07:59,640 --> 00:08:03,400

All right, Jamie, what's on the agenda now? What's the myth we're gonna hit well

88

00:08:03,400 --> 00:08:07,600

There are all sorts of myths to do with cars and we're gonna test them every one of them

89

00:08:07,600 --> 00:08:13,120

You're gonna donate your car. No, why not not putting sugar in my gas tank and shoot it full of holes

90

00:08:13,120 --> 00:08:15,000

Well, what are we gonna do there?

91

00:08:15,000 --> 00:08:18,720

Actually, I got an interesting and intriguing email from a fan the other day

92

00:08:18,720 --> 00:08:23,280

And he just might be willing to donate his car to the cause so why don't we go check out what he's got?

93

00:08:23,600 --> 00:08:25,600

Let's do it. All right

94

00:08:25,600 --> 00:08:32,560

But who would be crazy enough to give their car to Adam and Jamie? That's a caddy. All right, my grandma had a car like that

95

00:08:33,000 --> 00:08:38,680

It's Cadillac Ben saw some TV and you figured I'll take it to them. They'll blow it up. I was hoping that

96

00:08:40,240 --> 00:08:47,080

Webster's dictionary defines Cadillac as something that is the most luxurious or highest quality of its kind and

97

00:08:48,240 --> 00:08:51,080

Since the first caddy rolled off the line in 1902

98

00:08:51,760 --> 00:08:56,840

Many consider them to be the epitome of motoring style and elegance

99

00:08:58,120 --> 00:09:00,120

until now

100

00:09:00,240 --> 00:09:07,480

Ben's caddy needs plenty of mechanical help so our resident gearhead Scotty Chaplin swings into action

101

00:09:11,880 --> 00:09:14,640

Okay sound effects may be needed if it doesn't start

102

00:09:30,120 --> 00:09:35,360

So this is sort of an historic moment, isn't it?

103

00:09:36,280 --> 00:09:41,600

Absolutely, we bought cars for the show before and you know used them for a myth and sometimes too, but

104

00:09:42,560 --> 00:09:47,040

Here we got an opportunity to see how many myths we can actually do with this one vehicle

105

00:09:47,040 --> 00:09:51,840

No, it's still around at the end of the show. Yeah, we're gonna have our sheriff fun abusing it just like Buster

106

00:09:51,840 --> 00:09:56,840

I can't wait, you know, I think we really need to christen it with a name. Oh, you got any ideas?

107

00:09:57,240 --> 00:09:59,800

Earl Earl it is Earl the caddy

108

00:10:01,080 --> 00:10:04,200

It's time to put those motoring myths to the test

109

00:10:04,720 --> 00:10:06,320

What are we gonna start with?

110

00:10:06,320 --> 00:10:11,400

Well, we have all this produce that we're gonna shove up the tailpipe and see what happens

111

00:10:11,400 --> 00:10:17,920

You're gonna stand back there with a catcher's mitt. It's a classic college prank to block a car's tailpipe with a piece of food

112

00:10:18,200 --> 00:10:20,200

But will the car really stall?

113

00:10:20,880 --> 00:10:22,880

That's supposed to eat the props

114

00:10:23,840 --> 00:10:29,920

I think with a big engine in this car, whatever we put up that exhaust pipe is probably gonna come out pretty quickly

115

00:10:30,240 --> 00:10:36,780

That's why we've got our high-speed camera trained on Earl's tailpipe time to fire one

116

00:10:38,640 --> 00:10:42,000

Artillery man Adam selects his ammo. That's the one

117

00:10:44,680 --> 00:10:47,380

Go ahead and start the car firing

118

00:10:53,080 --> 00:10:55,080

That was magnificent

119

00:10:55,400 --> 00:10:57,400

That's but is out of there

120

00:10:57,760 --> 00:11:03,720

But a myth buster always wants more Adam loads the potato deeper into the tailpipe

121

00:11:03,720 --> 00:11:08,440

Tato stuffed in there like a good 20 inches. I'm ready when you are

122

00:11:12,480 --> 00:11:19,400

That one is flying but there's no effect on the car's engine the banana is longer and thinner

123

00:11:19,640 --> 00:11:24,640

Maybe it'll do the job bananas fully inserted. You're ready to fire. All right firing

124

00:11:27,840 --> 00:11:30,520

That banana slips right out kill it

125

00:11:31,360 --> 00:11:33,160

It was like

126

00:11:33,160 --> 00:11:38,800

Like that looks like whatever food stuff you stuff up there comes right back out again

127

00:11:39,320 --> 00:11:45,520

Throw it about as fast as you could throw it. It's not that hard. So it's busted. Yeah, I'd say totally busted

128

00:11:49,400 --> 00:11:55,600

Coming up a crash test dummy becomes a man. We should grease him with some

129

00:11:57,200 --> 00:12:06,440

And the myth busters scuba diver pump finally roars into life push key in for full choke. What's going on board does it?

130

00:12:06,880 --> 00:12:21,880

Can a firefighting helicopter actually suck up a scuba diver an air crane helitanker is the chief suspect?

131

00:12:22,440 --> 00:12:27,960

the myth busters are recreating the helitanker's scuba sucking power by using a

132

00:12:28,680 --> 00:12:32,040

225 horsepower outboard motor and a funny hat

133

00:12:32,880 --> 00:12:40,360

The outboard weighs 500 pounds. So just moving it around is a major headache. We could try and pick this up by

134

00:12:41,240 --> 00:12:43,240

with the forks like

135

00:12:43,720 --> 00:12:50,960

Tip it up. We get six people on this. We just manhandled it up on there. It's gonna many hands make light work. That's it's possible

136

00:12:51,120 --> 00:12:54,380

David doesn't like to do anything hastily and I like to do everything

137

00:12:55,080 --> 00:12:56,760

incredibly hastily

138

00:12:56,760 --> 00:12:59,240

So there and you have the dichotomy of our patterns

139

00:12:59,960 --> 00:13:01,960

After the manhandling

140

00:13:03,240 --> 00:13:06,720

Frame for the outboard is welded together go for it

141

00:13:07,240 --> 00:13:11,400

Then the original driveshaft is removed from the outboard

142

00:13:12,240 --> 00:13:17,680

For the scuba diver pump, they'll have to build a new and much longer driveshaft

143

00:13:18,520 --> 00:13:24,040

Because it'll be spinning at high rpm. The shaft must be accurately machined on a lathe

144

00:13:24,960 --> 00:13:27,560

Seal you join is really quite a beautiful thing

145

00:13:29,640 --> 00:13:34,680

The propeller is cut down and carefully balanced to avoid vibrations

146

00:13:34,680 --> 00:13:36,680

We're adding the propeller the wrong way around

147

00:13:36,680 --> 00:13:42,040

That's so that rather than pushing the water down it'll be sucked up toward the outboard

148

00:13:42,320 --> 00:13:46,800

To control the water flow the shaft must be encased in a heavy steel pipe

149

00:13:47,040 --> 00:13:52,600

What we need to finish the scuba diver rig is a pipe with a 10 inch ID and inside diameter

150

00:13:53,240 --> 00:14:00,880

We have the leftover chicken gun barrel, which is just the perfect size and and I want to cut it up

151

00:14:00,880 --> 00:14:02,880

It takes up too much diamond room

152

00:14:04,400 --> 00:14:10,320

Adam loves his chicken can I don't think that cutting up the chicken cannon is a good idea

153

00:14:10,840 --> 00:14:17,040

We're never gonna get around to rebuilding it. No, it's ever gonna give us the time to do it and it's gone. It's gone forever

154

00:14:17,640 --> 00:14:19,640

There's chicken guts in here

155

00:14:20,400 --> 00:14:28,000

Well so much for Adam's feelings the chicken cannon is carved up in the quest for the super scuba pump

156

00:14:28,920 --> 00:14:36,840

The shaft is fitted inside the pipe and Adam describes in detail what will happen to the pumped

water shoot up that way

157

00:14:40,400 --> 00:14:48,280

Like that just a godly torrent of water that torrent will be vented away from the motor by angling the pipe

158

00:14:50,000 --> 00:14:56,480

Scotty welds the two cut halves of the pipe together. She knows there's something not quite right. Oh

159

00:14:57,520 --> 00:15:02,720

I know what it is. It's the chicken that I'm burning that's messing with my weld

160

00:15:05,320 --> 00:15:07,320

Getting little bubbles of chicken vapor

161

00:15:08,880 --> 00:15:11,360

I just have several problems to solve

162

00:15:12,440 --> 00:15:14,440

before I do

163

00:15:14,920 --> 00:15:19,160

Before I start to triangulate man, it's just it never ends. There's a ton of little things

164

00:15:20,360 --> 00:15:22,560

A host of little things to solve

165

00:15:23,040 --> 00:15:30,040

The funnel from the junkyard has to be measured and cut down to fit the pipe. Well, I tell you if you turn this thing on

166

00:15:30,840 --> 00:15:32,840

That would be a hell of a cleansing

167

00:15:35,040 --> 00:15:37,040

I can't know on my arm

168

00:15:42,280 --> 00:15:47,600

Finally the pump is ready for its maiden voyage. It's like a pageant for my baby

169

00:15:48,400 --> 00:15:51,400

Mounted on a forklift and weighing close to a thousand pounds

170

00:15:51,920 --> 00:15:57,400

The mythbusters rig is a recreation of the water pump on a firefighting helicopter

171

00:15:57,760 --> 00:16:04,840

It's made from a second-hand outboard motor and a cut-up chicken cannon. What are the odds this thing will actually work?

172

00:16:06,040 --> 00:16:14,000

I would say we have about a 25% chance of nothing whatsoever happening about a 50% chance of something bad happening and

173

00:16:14,040 --> 00:16:21,640

And then the other 50% chances that it's gonna work Jamie. That's a hundred and twenty five percent

174

00:16:23,640 --> 00:16:28,160

Just in case nothing does happen Adam is quite happy to pretend

175

00:16:30,880 --> 00:16:33,280

And the crowd is puzzled

176

00:16:37,400 --> 00:16:40,840

It's just a simple matter of turning the ignition key

177

00:16:40,840 --> 00:16:48,480

Maybe not that simple. What's going on push key in for full choke?

178

00:16:49,040 --> 00:16:51,360

He had one job to do on this whole thing

179

00:16:52,880 --> 00:16:57,320

They gave us the wrong key. I called them up and the key doesn't match. What are you supposed to do?

180

00:16:57,320 --> 00:17:03,640

While the right key is found Bill T members Carrie Byron and Scotty prepare buster for his

181

00:17:03,960 --> 00:17:09,540

Underwater date with destiny. I don't think get these on and we're gonna get him into a scuba suit

182

00:17:10,840 --> 00:17:13,720

This sure beats busters usual treatment

183

00:17:14,720 --> 00:17:16,720

Maybe we should grease him

184

00:17:20,640 --> 00:17:23,040

This dummy has never had it so good

185

00:17:29,520 --> 00:17:31,520

But buster fights back

186

00:17:32,520 --> 00:17:34,520

Oh

187

00:17:34,800 --> 00:17:36,200

Hey

188

00:17:36,200 --> 00:17:43,120

The sun is shining the right keys being found and the myth busters super pump is ready for a test run

189

00:17:43,400 --> 00:17:45,400

Jamie fires her up

190

00:17:51,880 --> 00:17:55,300

It works yeah, I think it actually works I think we'll actually get our

191

00:17:56,140 --> 00:18:00,620

3000 gals per minute the pump works, but it's still not finished

192

00:18:00,620 --> 00:18:05,220

What we have left to do is that we have to make a rig to hold the big hose for the output

193

00:18:05,220 --> 00:18:11,740

And that's gonna be a tough job actually then we have to mount the screen on the bottom to replicate the real thing

194

00:18:11,740 --> 00:18:16,380

it's a guard to keep things from like fish from getting sucked up into it and

195

00:18:17,980 --> 00:18:22,380

Finally we're gonna paint it red so that looks like firefighting equipment

196

00:18:22,380 --> 00:18:26,700

I can't believe how long this took to build considering this is totally not gonna work

197

00:18:26,700 --> 00:18:32,260

I wouldn't want to be next to this when it's running in the water anyway because we built it and it's you know

198

00:18:32,260 --> 00:18:37,580

Just as like is not to fly apart and you know send a propeller blade through my head or something like that

199

00:18:37,860 --> 00:18:44,820

And our resident folklorist can make plenty from death by propeller people like dumb way to die stories

200

00:18:45,140 --> 00:18:49,340

Particularly in some form of accident and this seems like a plausible kind of accident

201

00:18:49,420 --> 00:18:51,820

You could just get scooped up one day and there you go

202

00:18:52,060 --> 00:18:57,460

That's why there's that familiar injunction always wear clean underwear because you never know what's gonna happen

203

00:18:58,220 --> 00:19:03,740

Coming up Buster is in for a surprise that will definitely require a change of clothes

204

00:19:05,100 --> 00:19:10,500

And Earl the catty faces the firing squad you may commit firing

205

00:19:10,500 --> 00:19:21,860

Remember don't try this at home. We're what you call experts

206

00:19:28,060 --> 00:19:35,900

Adam and Jamie have been given a car that's a caddy all right my grandma had a car like that and now they're trying to destroy it

207

00:19:36,140 --> 00:19:48,580

Firing inserting potatoes didn't stall the engine time for something more hardcore a cracked engine block can cost you hundreds of dollars in repairs

208

00:19:49,140 --> 00:19:57,900

Engine additives are designed to improve your car's performance, but myth Buster's additives are a little different let's win or feed up happen to you

209

00:19:58,220 --> 00:20:05,020

So now it's time to move on to putting stuff in the gas tank

210

00:20:05,500 --> 00:20:08,060

Yeah, and we really want to see what's going on

211

00:20:08,060 --> 00:20:11,020

So, you know, I don't think it's gonna work to just do it in the car

212

00:20:11,020 --> 00:20:15,020

I think we either need to pull the engine out of the car or get another engine

213

00:20:15,180 --> 00:20:22,820

It'll help to have a see-through gas tank to because of the fire risk the gas tank must remain separate from the engine

214

00:20:23,260 --> 00:20:32,100

So Adam welds together a gas tank stand and in case one of the explosive myths turns out to be dangerously on target

215

00:20:32,700 --> 00:20:35,060

Blast screens are erected around the engine

216

00:20:35,820 --> 00:20:37,180

Scotty starts her up

217

00:20:38,220 --> 00:20:38,740

Cool

218

00:20:38,860 --> 00:20:39,860

Nicely done

219

00:20:40,500 --> 00:20:46,580

So the first myth is that drain clog remover poured into the gas tank will make the engine explode

220

00:20:46,980 --> 00:20:47,700

Shall we do it?

221

00:20:47,860 --> 00:20:48,380

Yeah

222

00:20:48,420 --> 00:20:50,580

The drain clog remover goes in

223

00:20:50,860 --> 00:20:53,980

Time passes and the engine's still purring

224

00:20:53,980 --> 00:20:57,380

It definitely has to have sucked it up by now and I don't notice a darn thing

225

00:20:58,060 --> 00:21:00,340

I mean the idle speed hasn't changed at all

226

00:21:00,700 --> 00:21:01,780

And then suddenly

227

00:21:03,260 --> 00:21:04,460

Nothing happened

228

00:21:04,860 --> 00:21:07,500

Maybe revving the engine will do the trick

229

00:21:07,500 --> 00:21:09,140

Come on Jamie, use that aim

230

00:21:14,380 --> 00:21:16,500

But the engine survives this myth

231

00:21:16,860 --> 00:21:18,500

It's running just fine

232

00:21:18,500 --> 00:21:19,620

Kill it, I said kill it

233

00:21:23,020 --> 00:21:24,620

So liquid drain cleaner

234

00:21:24,940 --> 00:21:26,980

Uh, fully, fully busted

235

00:21:29,660 --> 00:21:37,700

Before the next test can start the gas tank must be drained and every last trace of drain clog remover removed

236

00:21:39,020 --> 00:21:39,580

Thank you

237

00:21:39,940 --> 00:21:44,060

The tank is carefully resealed and filled with fresh gasoline

238

00:21:44,660 --> 00:21:46,300

Time for some myth busting

239

00:21:47,500 --> 00:21:48,460

Okay, Al

240

00:21:48,460 --> 00:21:50,300

He never learns, does he?

241

00:21:50,300 --> 00:21:51,820

Let's move on to bleach

242

00:21:51,820 --> 00:21:52,340

Cool

243

00:21:52,340 --> 00:21:53,740

Alright, contact

244

00:21:55,940 --> 00:21:58,100

Oh, it starts up hers like a kid

245

00:21:58,580 --> 00:21:59,860

Must be clean

246

00:21:59,860 --> 00:22:01,220

Nice work on that

247

00:22:01,860 --> 00:22:04,820

And in goes the myth busters brand bleach

248

00:22:05,460 --> 00:22:06,900

Jamie revs it up

249

00:22:07,580 --> 00:22:09,260

Adam hams it up

250

00:22:09,580 --> 00:22:10,860

And everything's fine

251

00:22:11,420 --> 00:22:12,100

Until

252

00:22:12,100 --> 00:22:13,020

You got the fan?

253

00:22:13,020 --> 00:22:13,900

There we go

254

00:22:14,700 --> 00:22:15,740

We got it cut out?

255

00:22:15,740 --> 00:22:16,340

Yeah

256

00:22:16,620 --> 00:22:18,940

Alright, so the bleach just stopped the car from running, did it?

257

00:22:18,940 --> 00:22:19,780

You mean it just cut out?

258

00:22:19,780 --> 00:22:20,300

Yeah

259

00:22:20,300 --> 00:22:21,460

I'd say it's plausible

260

00:22:23,980 --> 00:22:27,100

And the bleach has another trick up its white sleeve

261

00:22:27,460 --> 00:22:33,220

Next morning the boys discover the hard way that bleach is an oxidizing agent

262

00:22:33,220 --> 00:22:36,020

In other words, it makes steel rust

263

00:22:36,020 --> 00:22:41,300

Next time you start your engine you're gonna be sucking a whole lot of rust and particles from the tank

264

00:22:41,820 --> 00:22:45,780

As a result of all that corrosion down into the engine and then you're done

265

00:22:46,260 --> 00:22:47,700

On to the next test

266

00:22:47,700 --> 00:22:50,820

And Jamie doesn't sound too enthusiastic

267

00:22:50,820 --> 00:22:53,620

I'm getting ready to put sugar in the gas tank

268

00:22:53,940 --> 00:22:58,180

So wannabe director Adam tries to get some more emotion

269

00:22:58,180 --> 00:22:59,860

Alright, Jamie, here's your motivation

270

00:22:59,860 --> 00:23:01,140

It's the middle of the night

271

00:23:01,140 --> 00:23:03,540

You hate your neighbor because he's always throwing loud parties

272

00:23:03,540 --> 00:23:05,860

You're gonna go to his car, you're gonna pour sugar in it

273

00:23:06,500 --> 00:23:07,020

Go

274

00:23:07,780 --> 00:23:08,460

Action

275

00:23:10,660 --> 00:23:14,340

Method actor Jamie passionately pours sugar into the tank

276

00:23:14,340 --> 00:23:16,020

He'll stop throwing parties now

277

00:23:16,020 --> 00:23:17,140

Let's start the engine

278

00:23:17,140 --> 00:23:17,860

Alright

279

00:23:18,260 --> 00:23:18,820

Ready?

280

00:23:18,820 --> 00:23:19,380

Ready

281

00:23:24,020 --> 00:23:30,340

Adam uses his new throttle control before embarking on another method acting fantasy

282

00:23:30,340 --> 00:23:32,340

He's driving along

283

00:23:32,340 --> 00:23:34,340

He makes a left hand turn

284

00:23:35,220 --> 00:23:37,060

He comes to a stop

285

00:23:37,060 --> 00:23:38,580

It's like a time bomb

286

00:23:38,580 --> 00:23:41,140

Careful you don't make any sparks on the ground there, big boy

287

00:23:41,140 --> 00:23:41,620

Okay

288

00:23:42,580 --> 00:23:44,820

The engine just keeps on running

289

00:23:44,820 --> 00:23:46,980

So the boys leave it overnight

290

00:23:46,980 --> 00:23:49,940

Hoping the sugar will really mess things up

291

00:23:49,940 --> 00:23:55,220

It's time to see if our engine will actually start this morning with its sugar gas tank

292

00:24:00,740 --> 00:24:01,940

Well, what do you know?

293

00:24:01,940 --> 00:24:04,900

There's more sugar in that tank than gas

294

00:24:04,900 --> 00:24:06,020

But it works

295

00:24:06,020 --> 00:24:06,660

Go figure

296

00:24:07,540 --> 00:24:09,540

I'd say sugar in the gas tank

297

00:24:09,540 --> 00:24:11,540

I think totally busted

298

00:24:16,340 --> 00:24:17,860

Gas tank myths

299

00:24:17,860 --> 00:24:19,380

Drain clog remover

300

00:24:19,380 --> 00:24:20,180

Busted

301

00:24:20,180 --> 00:24:21,140

Bleach

302

00:24:21,140 --> 00:24:22,340

Plausible

303

00:24:22,340 --> 00:24:23,220

Sugar

304

00:24:23,220 --> 00:24:24,260

Busted

305

00:24:24,260 --> 00:24:24,900

What's next?

306

00:24:25,780 --> 00:24:32,580

Well, there's a myth going around that putting mothballs in your gasoline will be like putting high octane fuel in your engine

307

00:24:32,580 --> 00:24:33,140

Really?

308

00:24:33,140 --> 00:24:33,860

Does say

309

00:24:33,860 --> 00:24:35,460

Warning flammable

310

00:24:35,460 --> 00:24:39,460

Adam pours his gas and mothball highball into the tank

311

00:24:40,100 --> 00:24:41,060

Seems steady to me

312

00:24:42,820 --> 00:24:46,740

Gradually the mythbusters notice a change in the engine number

313

00:24:47,540 --> 00:24:48,740

It's starting to sputter

314

00:24:50,100 --> 00:24:51,620

Yeah, it doesn't seem like it likes it

315

00:24:52,660 --> 00:24:55,060

Just to be certain Adam revs the engine

316

00:24:55,620 --> 00:24:57,380

The transformation is amazing

317

00:24:58,020 --> 00:24:59,700

The engine sounds great

318

00:25:01,300 --> 00:25:03,700

Actually, that does sound kind of good, doesn't it?

319

00:25:03,700 --> 00:25:05,700

Sounds much better than before

320

00:25:11,540 --> 00:25:13,940

You know barring like a bunch of instrumentation

321

00:25:13,940 --> 00:25:15,940

I'd say on the face of it

322

00:25:15,940 --> 00:25:19,700

We might have very well made put a more high octane fuel in this engine

323

00:25:19,700 --> 00:25:25,940

So the mythbusters have shown that a few mothballs in the tank seems to increase the octane of your gas

324

00:25:26,180 --> 00:25:31,220

We're not recommending it because the mothballs may have some negative effect on your engine too

325

00:25:31,540 --> 00:25:35,300

But one thing's for certain you won't have any moths in your motor

326

00:25:40,580 --> 00:25:46,340

When Cadillac Ben gave Adam and Jamie his car the mythbusters made a solemn promise

327

00:25:46,820 --> 00:25:51,460

He was awesome on tv and you figured I'll take it to them. They'll blow it up. I was hoping

328

00:25:53,140 --> 00:25:55,140

We will do our best

329

00:25:55,780 --> 00:26:01,540

And the place to try it is the strictly controlled environment of the Chabot marksmanship range

330

00:26:02,100 --> 00:26:04,820

Under the watchful eye of some local firefighters

331

00:26:06,340 --> 00:26:09,220

So Adam, what are we doing out here with all these guns in this car?

332

00:26:09,700 --> 00:26:13,780

Well, the mythbusters caddy is actually going to help us put a very famous myth to rest

333

00:26:13,860 --> 00:26:20,420

One that is constantly perpetuated by Hollywood, which is if you shoot a car in its gas tank, will it actually explode?

334

00:26:20,420 --> 00:26:29,300

In countless Hollywood movies a well-placed slug will cause the spectacular

335

00:26:29,860 --> 00:26:34,100

Detonation of an auto will Earl be the next one to explode?

336

00:26:34,580 --> 00:26:42,180

The mythbusters know all firearms are dangerous and should only be used responsibly and in a safe environment

337

00:26:42,580 --> 00:26:50,020

So do not try this at home to test this myth. Jamie will have to shoot the Cadillac's gas tank

338

00:26:50,420 --> 00:26:52,420

against fire

339

00:26:58,340 --> 00:27:04,340

There's gas in the tank and the bullets are definitely hitting it, but there's no explosion

340

00:27:05,060 --> 00:27:11,140

The waiting firefighters look almost disappointed. Look at that one two three four five all right in the room

341

00:27:12,340 --> 00:27:17,220

Yep, you punctured that gas tank quite neatly and I'll bet you went right through the other side

342

00:27:18,020 --> 00:27:22,820

Jamie's shots went clear through the tank now. There's one that's right out the bottom there

343

00:27:25,060 --> 00:27:28,340

So while shooting a car's gas tank actually set it on fire

344

00:27:29,140 --> 00:27:34,340

Actually, not like in the movies. It won't explode. You did a really nice cluster there right through the gas tank

345

00:27:34,740 --> 00:27:39,700

No problem at all went in came out the other side nothing no explosion. There you go

346

00:27:39,860 --> 00:27:48,900

Take the safeties off time to put car shooting myth number two to the test

347

00:27:49,940 --> 00:27:51,940

You make for myth firing

348

00:27:55,220 --> 00:28:02,740

And the reason for this target practice the hollywood myth that hiding behind a car door will stop you from getting shot

349

00:28:03,700 --> 00:28:09,780

The myth is thoroughly tested when 50 rounds are fired into the driver's door

350

00:28:14,340 --> 00:28:16,580

I suspect that we went all the way through the car jimmy

351

00:28:18,580 --> 00:28:20,580

What makes you think that adam

352

00:28:21,460 --> 00:28:28,100

Earl's door resembles swiss cheese and it'll take some major detailing to fix his interior

353

00:28:28,100 --> 00:28:33,700

You know jimmy I think we can safely say that unlike the movies being behind a car door if you're in a gunfight

354

00:28:33,700 --> 00:28:38,500

It's not a safe place to be every bullet that came through here came out here. It's pretty obvious

355

00:28:38,500 --> 00:28:43,380

This is not where you'd want to be. I think the best advice is just don't get in a gunfight. I'd agree

356

00:28:46,500 --> 00:28:50,420

Coming up on myth busters what's got adam so excited

357

00:28:52,340 --> 00:28:57,700

And what really happens when you crack an egg into your radiator that's far out

358

00:28:58,980 --> 00:29:00,980

I

359

00:29:09,220 --> 00:29:13,860

Because it has a pump the air crane helitanker may be able to suck up an

360

00:29:14,660 --> 00:29:19,300

unsuspecting scuba diver and drop him into a forest fire as per the myth

361

00:29:19,940 --> 00:29:24,100

Adam and jimmy have built a pump and are about to test it out on buster

362

00:29:24,180 --> 00:29:30,420

We're at one of our regular testing facilities in senile high school out in alameda has allowed us to use their pool before

363

00:29:30,820 --> 00:29:34,820

Uh, and we've dunked some things in it and done some tests and we're about to do another one

364

00:29:34,820 --> 00:29:39,380

We're about to pump 3 000 gallons a minute out of this pool. Come on forward. Go ahead lower it down

365

00:29:40,260 --> 00:29:42,260

Ah now we get to walk like an egyptian

366

00:29:43,060 --> 00:29:48,820

In order not to damage the concrete pool decks a plywood track is laid for the forklift

367

00:29:50,020 --> 00:29:52,020

It's a back breaking job

368

00:29:52,740 --> 00:29:54,740

Boring

369

00:29:55,460 --> 00:30:00,260

Next to be unloaded is the tank for testing the pump's capacity drag away

370

00:30:01,220 --> 00:30:03,860

And it's the same deal with the plywood again

371

00:30:04,580 --> 00:30:07,700

Meanwhile the star of the show waits patiently

372

00:30:08,340 --> 00:30:12,340

Outboard motor expert jay is drafted onto the myth busters team

373

00:30:13,140 --> 00:30:18,740

Finally it's time for a full-scale test run. The pump is lowered into position

374

00:30:22,020 --> 00:30:35,700

The rig works and adam's thrilled but the sun is setting and it looks like the scuba diver test will have to wait

375

00:30:38,980 --> 00:30:44,420

Meanwhile there's more motoring myths to bust so the myth is that if you have a bone drive radiator

376

00:30:44,420 --> 00:30:47,540

You can start your car safely by putting cola in your cooling system

377

00:30:48,420 --> 00:30:55,380

From the first time primitive men went out for a sunday drive our biggest automotive fear has been

378

00:30:56,020 --> 00:30:58,020

the breakdown

379

00:31:01,140 --> 00:31:05,140

Well, what do we do now call the myth busters, of course

380

00:31:12,420 --> 00:31:15,380

Any radiator, what's your prediction and I think it'll be fine

381

00:31:15,380 --> 00:31:20,180

It'll probably foam up a bit and it probably isn't very good on it because the sugar is going to caramelize from the heat

382

00:31:20,500 --> 00:31:25,140

Yeah, but it's not going to stop the engine real quick. It's going to work. You know, it'll work as a cooling

383

00:31:25,940 --> 00:31:27,940

First we drain the radiator

384

00:31:30,180 --> 00:31:33,060

It's bone dry you got some cola for me

385

00:31:33,780 --> 00:31:35,780

Oh, yeah

386

00:31:35,780 --> 00:31:41,220

I make sure this is real cola adam will make any sacrifice to bust them in I always drink myth busters cola

387

00:31:41,380 --> 00:31:43,380

Watch out for radiator reflux

388

00:31:46,340 --> 00:31:53,780

I'm now standing in a melange of cooling fluid gasoline and cola and we're only just getting started

389

00:31:55,140 --> 00:31:59,540

Time for the cola additive test. All right, ready to go. Let's start it up

390

00:31:59,540 --> 00:32:13,140

We'll let it run for a while so far the engine seems to be enjoying its cola refreshment

391

00:32:13,460 --> 00:32:16,660

But adam has obviously sampled too much

392

00:32:20,580 --> 00:32:24,660

Those cola bubbles are really building up maybe it's time to quit

393

00:32:30,500 --> 00:32:36,260

The hell was that a little back pressure so cola in the radiator, what's your verdict?

394

00:32:36,580 --> 00:32:40,900

Well, wouldn't want to do it for long, but this one's plausible. Yeah, I'd say it's plausible

395

00:32:44,580 --> 00:32:50,020

But what do you do if there's a hole in your radiator and you don't have a product to fix it

396

00:32:50,420 --> 00:32:55,420

We want to find out if you're on the road and your radiators got a leak and you got no other options

397

00:32:55,420 --> 00:32:58,580

If you crack an egg into the radiator will it plug that hole?

398

00:32:59,780 --> 00:33:01,540

Plug away

399

00:33:01,540 --> 00:33:03,140

Oh

400

00:33:03,140 --> 00:33:08,500

Hey, we got jamie. We got a leak there. Is that too big of a leak? No, I'd say that's a standard leak

401

00:33:10,820 --> 00:33:15,780

Adam wears a protective mask those eggs are real. I have never put an egg

402

00:33:16,660 --> 00:33:21,380

Into a radiator before in fact this whole method things that like seem like really silly ideas

403

00:33:22,420 --> 00:33:24,420

All right

404

00:33:30,260 --> 00:33:34,500

Gotta give it a little time. Yeah, we'll give it some time and see what it does. I mean I can see it's still leaking

405

00:33:35,380 --> 00:33:38,900

And then something extraordinary happened

406

00:33:41,060 --> 00:33:43,860

It stopped I mean it looks like it stopped right away

407

00:33:44,500 --> 00:33:47,060

Could it be that this actually works quite well?

408

00:33:47,940 --> 00:33:49,940

Better than the commercial product

409

00:33:50,100 --> 00:33:55,560

That's far out. I swear. I wouldn't want to do it as a permanent solution, but egg in the radiator

410

00:33:55,560 --> 00:33:57,560

I

411

00:33:59,160 --> 00:34:01,160

Coming up the

412

00:34:01,160 --> 00:34:06,840

225 horsepower outboard motor powered pump has buster in its sights will it grab him?

413

00:34:08,840 --> 00:34:14,760

And will the myth busters finally get to destroy that engine it's singing its death song

414

00:34:25,560 --> 00:34:35,720

Amongst engines eat gas water and oil the myth busters test engine has a diet of drain clogged remover

415

00:34:36,120 --> 00:34:41,320

Bleach mothballs sugar cola and eggs and it's still running

416

00:34:41,720 --> 00:34:48,440

Our next motor myth states if a piece of metal is tiny as a penny is dropped into an engine's carburetor

417

00:34:48,920 --> 00:34:51,720

It will fall deep inside the engine and destroy

418

00:34:52,280 --> 00:34:55,960

Penny in the carburetor only because you asked for it. Here we go

419

00:34:59,640 --> 00:35:02,920

Oh, yeah, he's tossing the penny into the carb

420

00:35:05,640 --> 00:35:10,840

All right, I'm gonna rev it a little bit the increased revs should move the penny even deeper

421

00:35:13,080 --> 00:35:19,800

Will the engine slow down or blow up? Um, nothing happened. Well, I'm gonna go in there and look

422

00:35:20,040 --> 00:35:23,560

Yeah, why don't you go in there and look take a look take a look take a look for that penny

423

00:35:23,960 --> 00:35:28,440

It's just the pennies just sitting there. You're gonna shove it in further, honey. Down she goes

424

00:35:29,240 --> 00:35:31,400

Okay, we're good to go. All right. Here we go

425

00:35:40,040 --> 00:35:44,920

That penny is taking a pounding but the engine's still running. It's definitely not

426

00:35:45,800 --> 00:35:51,080

Ruining the engine but I do swear that I hear it like knocking around in there and that can't be great

427

00:35:51,880 --> 00:35:55,320

Given that tossing the penny into the carburetor is supposed to ruin your engine

428

00:35:55,800 --> 00:35:58,440

Our engine's still running fine to call that busted. Yeah

429

00:36:05,160 --> 00:36:09,080

Well, we did a lot to this engine but I think we might have saved the worst for last

430

00:36:09,560 --> 00:36:13,080

You know bleach in the engine oil is supposed to ruin the lubrication

431

00:36:13,560 --> 00:36:17,880

It'll you know make the thing heat up really quickly and seize up as is the myth

432

00:36:20,760 --> 00:36:23,960

Putting bleach in the gas tank was meant to stop the engine

433

00:36:24,440 --> 00:36:29,640

But putting bleach in the oil is meant to destroy it. Feel like that's enough. That's nasty

434

00:36:30,360 --> 00:36:32,360

That can't be good for that engine

435

00:36:40,040 --> 00:36:41,560

Come on

436

00:36:41,560 --> 00:36:44,920

That's gotta be some nasty stuff coming out of that tube right now

437

00:36:45,560 --> 00:36:47,560

Things are starting to heat up

438

00:36:48,840 --> 00:36:54,920

Like a pair of evil geniuses adam and janey gloat over the engine's demise. It doesn't sound good

439

00:36:55,400 --> 00:37:02,280

I mean it's smoking all over the place. This engine's overheating. The steam is just shooting out of the radiator. It's singing its depths on

440

00:37:03,720 --> 00:37:08,680

As usual the prospect of imminent destruction gets adam totally wired

441

00:37:09,240 --> 00:37:15,880

A couple more miles man. We gotta get home. This is the last revolution this engine will ever make

442

00:37:25,000 --> 00:37:31,000

Well, well the engine got so hot that it started to set fire to the wooden car it's sitting on

443

00:37:31,640 --> 00:37:36,520

It's still probably pumping oil around but it's probably pretty well screwed. It may well, you know

444

00:37:37,240 --> 00:37:42,840

Be seizing itself in place right now from overheat. I think that was really hard on the engine

445

00:37:44,200 --> 00:37:46,120

You think

446

00:37:46,120 --> 00:37:51,880

Looks like they finally killed it and to prove just how hot an engine can get with bleach in its oil

447

00:37:53,080 --> 00:37:56,120

You can fry an egg on the exhaust of this thing

448

00:37:57,160 --> 00:38:02,680

Well, jaymean, we've got an engine here with bleach in its engine oil and there's a penny in the carburetor

449

00:38:02,920 --> 00:38:07,400

We got an egg in the radiator and we put sugar in the gas last night. Yeah

450

00:38:08,280 --> 00:38:12,200

We've got to love the american small block. It's a fitting end to car capers

451

00:38:17,560 --> 00:38:22,280

But will there be a fitting in for buster when he plays the mythical scuba diver

452

00:38:22,680 --> 00:38:25,080

Scooped up and dumped into a forest fire

453

00:38:25,640 --> 00:38:27,480

Adam will be right there with him

454

00:38:27,480 --> 00:38:29,480

But first he needs a wetsuit

455

00:38:29,480 --> 00:38:33,320

If you ever heard of anything that might lead you to believe this myth is possible

456

00:38:33,720 --> 00:38:36,920

First time I heard it. I didn't believe it and I heard it subsequently

457

00:38:37,480 --> 00:38:42,120

Happening in other places like in canada or in the in the midwest and I never believed it

458

00:38:43,080 --> 00:38:48,200

Believe it or not the mythbusters are putting this underwater myth to the test

459

00:38:49,560 --> 00:38:55,560

The ericsson air crane helitanker can suck up 2 000 gallons of water in 45 seconds

460

00:38:56,280 --> 00:39:03,000

The mythbusters homemade outboard motor pump must be able to replicate those figures by filling this

461

00:39:03,720 --> 00:39:06,200

2 000 gallon tank in 45 seconds

462

00:39:06,760 --> 00:39:13,240

Based on what we've seen so far. It's pretty promising that we'll fill the tank in the required time in 45 seconds or less

463

00:39:14,040 --> 00:39:20,120

The water must get from the pump to the tank via a very heavy 10 inch diameter hose

464

00:39:20,120 --> 00:39:23,640

What about irrigation pipe? Didn't we talk about irrigation pipe? Like it's really light. I could lift a length this long

465

00:39:23,720 --> 00:39:27,640

How are you gonna hold it on there? I would consider that solving the problem of holding it on there

466

00:39:28,040 --> 00:39:30,040

vastly simpler than lifting a 500 pound

467

00:39:30,840 --> 00:39:32,360

sweaty donkey

468

00:39:32,360 --> 00:39:34,360

Tensions are gonna run high

469

00:39:34,360 --> 00:39:40,120

Claws are gonna come out steam is gonna come out of ears worldwide wrestling of nerds

470

00:39:40,760 --> 00:39:42,760

Oh, it's great. Look at that

471

00:39:43,240 --> 00:39:50,680

Adam and you should probably not stand underneath that right now. I'm not sure why but our first task is to hook up the pump to the big hose

472

00:39:50,840 --> 00:39:53,320

And try to fill the tank and see how fast it goes

473

00:39:53,960 --> 00:39:59,960

If we get it going really quickly and it fills up according to the specs on the real device on the real firefighting device

474

00:40:00,040 --> 00:40:01,400

Then we know that we're

475

00:40:01,400 --> 00:40:07,400

Going to have a valid test here even if we're in the ballpark and and for all we know it may actually outperform the real one

476

00:40:08,440 --> 00:40:14,840

As adam hangs off the end of the forklift boom build team member tarry makes a shocking discovery

477

00:40:15,080 --> 00:40:19,960

Warning do not lift personnel. Do not use boom or attachment for lifting personnel

478

00:40:20,520 --> 00:40:24,200

Lifting personnel may result in death or serious injury

479

00:40:25,400 --> 00:40:27,400

It's the myth buster way

480

00:40:27,880 --> 00:40:31,800

Adam ties the pipe to the tank, but how's he going to get down from there?

481

00:40:35,560 --> 00:40:41,000

Time to find out if the myth busters pump will measure up to the helicopter original

482

00:40:44,680 --> 00:40:49,480

They need to fill this 2000 gallon tank in under 45 seconds

483

00:40:49,960 --> 00:40:55,480

But the effort of pushing the water up the extra 15 feet is too much for the outboard

484

00:41:00,200 --> 00:41:02,200

What happened she died

485

00:41:02,760 --> 00:41:08,200

So where were we that was 18 seconds it got halfway there. That's way ahead of 3000 gallons per minute

486

00:41:08,600 --> 00:41:15,640

We totally beat 3000 gallons a minute. I was going to do it in like 30 seconds a quick test to check that the outboard is okay

487

00:41:16,440 --> 00:41:20,200

All right, yeah, I think that's good. Oh

488

00:41:21,960 --> 00:41:28,040

God this is good feeling. Yeah, that's why the tank and hose are removed and buster steps up to the plate

489

00:41:29,480 --> 00:41:33,320

We know our pump is at least as strong as the ericsson air crane

490

00:41:33,880 --> 00:41:40,440

But can either of them suck a scuba diver out of the water and hold him long enough to get to a forest fire

491

00:41:41,080 --> 00:41:43,080

Let's find out

492

00:41:46,440 --> 00:41:48,440

Oh

493

00:41:50,920 --> 00:41:55,960

Adam pushes buster toward the intake funnel, but there seems to be no suction

494

00:42:04,440 --> 00:42:08,440

I got him right up under that thing under its full pressure he like

495

00:42:09,240 --> 00:42:10,760

I

496

00:42:10,760 --> 00:42:15,640

Laisley delayed a little bit and then sunk right back down. There was just not enough suction to hold him

497

00:42:15,640 --> 00:42:17,640

I mean his tank was in the way everything was in the way

498

00:42:18,040 --> 00:42:20,120

That was a lot of water coming out the other end though

499

00:42:20,200 --> 00:42:23,800

And I have to tell you if you were a diver and you heard that sound

500

00:42:24,360 --> 00:42:25,560

You go the other direction

501

00:42:25,560 --> 00:42:28,440

I think you'd go in the other direction because I can hear it very clearly under there

502

00:42:28,520 --> 00:42:30,520

And it sounds like a bad thing

503

00:42:30,520 --> 00:42:35,240

But the mythbusters are determined to see buster firmly attached to that pump

504

00:42:35,800 --> 00:42:40,840

The funnel and guard are removed from the pipe and buster is stripped of his tank

505

00:42:41,080 --> 00:42:43,080

So pulling off the cowling

506

00:42:43,080 --> 00:42:46,840

And we're gonna try him right on the end of the pipe. That's the worst case scenario

507

00:42:47,000 --> 00:42:51,320

They don't run those machines like that, but that's what we're gonna try and see if there's enough suction at all

508

00:42:52,040 --> 00:42:55,880

Is buster about to make the ultimate mythbusters sacrifice?

509

00:43:05,560 --> 00:43:16,680

It's got him buster is held fast maybe the myth is no myth

510

00:43:19,080 --> 00:43:24,120

But as soon as he breaks the surface the pump sucks air and revs dangerously

511

00:43:27,160 --> 00:43:31,400

It pulled him up out of the water a little bit a little bit short of a forest fire

512

00:43:35,720 --> 00:43:37,720

That's gotta suck

513

00:43:37,800 --> 00:43:39,800

I'm glad I didn't try it

514

00:43:41,240 --> 00:43:43,240

There's pieces of his wetsuit all over the pool

515

00:43:43,720 --> 00:43:45,720

Lots of hell of a hickeys got going there

516

00:43:45,800 --> 00:43:49,000

I have to say the the amount of suction under the pool was actually pretty impressive

517

00:43:49,240 --> 00:43:53,480

I'm looking up in the mouth of this just like satanic swirling thing of death

518

00:43:53,800 --> 00:43:59,400

And I just kind of got him near it and he went like this. I mean it was just like a you know magnet. It was incredible

519

00:43:59,640 --> 00:44:02,280

There's no way that suction's gonna carry him above the water

520

00:44:02,280 --> 00:44:03,880

It's gonna suck on to him under the water

521

00:44:03,880 --> 00:44:09,240

But once it leaves that pump needs to be primed the whole time with water and it'll cavitate it and he'll just drop off

522

00:44:09,800 --> 00:44:13,640

Yeah, absolutely. Well, I think this ends the debate once and for all this one's busted

523

00:44:26,120 --> 00:44:29,400

Coming up next three divers attempt the unthinkable

524

00:44:29,400 --> 00:44:37,320

To swim in open water alongside the world's largest and most feared predator on the world premiere of great white shark uncaged