



1  
00:00:05,349 --> 00:00:02,790  
a tanking test is where the launch team

2  
00:00:06,869 --> 00:00:05,359  
loads about 535 000 gallons of liquid

3  
00:00:08,790 --> 00:00:06,879  
hydrogen and liquid oxygen into

4  
00:00:11,669 --> 00:00:08,800  
discovery's external fuel tank just as

5  
00:00:13,030 --> 00:00:11,679  
it would be done for real launch attempt

6  
00:00:14,950 --> 00:00:13,040  
and the various parts of the tank are

7  
00:00:17,269 --> 00:00:14,960  
closely monitored and data is going to

8  
00:00:19,189 --> 00:00:17,279  
be recorded filling the tank is a

9  
00:00:21,510 --> 00:00:19,199  
procedure known as tanking and takes

10  
00:00:23,109 --> 00:00:21,520  
about three hours to fill the 154 foot

11  
00:02:24,710 --> 00:00:23,119  
tall external tank with the two super

12  
00:02:27,910 --> 00:02:26,070  
tank's dry

13  
00:02:30,070 --> 00:02:27,920

so the frost balls we got probably won't

14

00:02:31,509 --> 00:02:30,080

wash away at least not until it warms up

15

00:02:34,229 --> 00:02:31,519

significantly and you know if we get a

16

00:02:36,550 --> 00:02:34,239

little moisture on the tank

17

00:02:38,150 --> 00:02:36,560

and then later we'll uh

18

00:02:40,949 --> 00:02:38,160

we'll be moving the camera over in front

19

00:02:44,070 --> 00:02:42,790

yeah we'll be moving the whole assembly

20

00:02:47,190 --> 00:02:44,080

but he'll come back and give me a hand

21

00:02:51,990 --> 00:02:48,790

entity final inspection team on direct

22

00:02:57,270 --> 00:02:54,470

and final inspection team this thing is

23

00:02:59,270 --> 00:02:57,280

seven i've got you live clear help me

24

00:03:01,830 --> 00:02:59,280

i've got you loud and clear and i want

25

00:03:03,030 --> 00:03:01,840

to tell you that we're assembled and

26

00:03:05,030 --> 00:03:03,040

we've done our

27

00:03:07,350 --> 00:03:05,040

pre-test safety briefing

28

00:03:29,910 --> 00:03:07,360

and we're ready to go to the pad when

29

00:03:29,920 --> 00:03:51,509

your cold