



JOE STENCH
24070 2011

1

00:00:00,040 --> 00:00:04,180

Hi, my name is Jeff Bitner and I'm a logistics specialist on the rocket train

2

00:00:04,260 --> 00:00:06,180

This is Rocket Science in 60 seconds.

3

00:00:07,920 --> 00:00:10,500

Northrop Grumman is the manufacturer of the rocket boosters

4

00:00:10,580 --> 00:00:12,500

for NASA's super heavy-lift rocket

5

00:00:12,640 --> 00:00:14,080

the Space Launch System.

6

00:00:14,180 --> 00:00:15,680

We are transporting the boosters

7

00:00:15,760 --> 00:00:18,260

the same way we have for three decades – rail.

8

00:00:21,880 --> 00:00:24,520

The 21-car rocket train uses two engine.

9

00:00:24,620 --> 00:00:28,200

Each producing 6,000 horsepower to travel through Utah,

10

00:00:28,420 --> 00:00:32,400

Wyoming, Nebraska, Kansas, Missouri, Oklahoma,

11

00:00:32,460 --> 00:00:34,400

Alabama, Georgia, and Florida.

12

00:00:34,500 --> 00:00:36,740

That's a stretch of 2,800 miles

13

00:00:36,860 --> 00:00:39,420

over three railroads to deliver the motors to Kennedy.

14

00:00:42,580 --> 00:00:44,200

These railcars are built to carry

15

00:00:44,300 --> 00:00:46,760

the immense weight of the 180-ton segments.

16

00:00:46,860 --> 00:00:48,600

It takes an entire day to load

17

00:00:48,660 --> 00:00:50,420

one segment on one railcar.