1
00:00:00,000 --> 00:00:01,320
Engine runs begin.

2
00:00:02,560 --> 00:00:20,000
[music]

3
00:00:20,360 --> 00:00:22,260
After all the elaborate initial tests

4
00:00:22,260 --> 00:00:24,340
and adjustments necessary, Gene May

5
00:00:24,349 --> 00:00:27,160
Douglas test pilot chosen for the Skystreak project,

6
00:00:27,160 --> 00:00:28,800
taxis the airplane to be sure of

7
00:00:28,800 --> 00:00:30,120
its ground handling qualities

8
00:00:30,480 --> 00:00:32,660
and to check the operation of the brakes and tires

9
00:00:33,200 --> 00:00:35,100
Where tires incidentally are something new.

10
00:00:35,100 --> 00:00:37,580
Designed and built by the BF Goodrich rubber company

11
00:00:37,780 --> 00:00:39,300
they had to be made very small.

12
00:00:39,300 --> 00:00:41,080
They're only 20 inches in diameter

13
00:00:41,380 --> 00:00:43,940

to fit into the Skystreak's small thin wing.

14
00:00:44,260 --> 00:00:45,320
of eight ply nylon

15
00:00:45,320 --> 00:00:47,240
they were operated at an actual pressure

16
00:00:47,240 --> 00:00:49,820
of 170 pounds per square inch and could

17
00:00:49,820 --> 00:00:51,960
be inflated to as much as 230 pounds

18
00:00:51,960 --> 00:00:52,840
to the square inch.

19
00:00:52,840 --> 00:00:54,380
About eight times the pressure

20
00:00:54,380 --> 00:00:55,900
of the average automobile tire.

21
00:00:56,480 --> 00:00:58,400
To check their performance among other things,

22
00:00:58,580 --> 00:01:00,220
Gene May taxied the Skystreak