

FUEL LEAK THWARTS NASA'S DRESS REHEARSAL FOR MOON ROCKET

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The Artemis 1 Moon rocket with the Orion capsule sits on Launch Pad 39B at the Kennedy Space Center April 8, 2022 in Cape Canaveral, Florida. Photo: Getty Images via AFP

NASA's latest attempt to fuel its huge moon rocket for a countdown test was thwarted on April 14 by a hazardous hydrogen leak, the latest in a series of vexing equipment trouble.

The launch team had just begun loading fuel into the core stage of the rocket when the leak cropped up. This was NASA's third shot at a dress rehearsal, a required step ahead of a test flight to the moon.

This time, the launch team managed to load some super-cold liquid hydrogen and oxygen into the core stage of the 30-storey Space Launch System rocket, but fell far short of the full amount. Liquid hydrogen is extremely hazardous, with officials noting that the systems had been checked for leaks prior to the test.

Technicians deliberately left the smaller upper stage empty, after discovering a bad valve last week. The helium valve inside the upper stage cannot be replaced until the rocket is back in its hangar at Kennedy Space Center.

Two previous countdown attempts were marred by balky fans and a large hand-operated valve that workers mistakenly left closed at the pad last week.

Officials said via Twitter that they're assessing their next steps.

NASA had been targeting June for the launch debut of the 322-foot (98-metre) SLS rocket. The empty Orion capsule on top will be sent on a four- to six-week mission around the moon and back.

Astronauts will strap in for the second test flight around the moon, planned for 2024. That would be followed as early as 2025 with the first lunar landing by astronauts since 1972. NASA plans to announce the crews for these two missions this summer.

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