



Space Shuttle Endeavour arrives at launch pad 39A on August 9, 2007 in preparation for mission STS-118. A leak developed in the Orbiter Midbody Umbilical Unit, or OMBUU (inset), which loads liquid hydrogen and liquid oxygen into the spacecraft's fuel cells. A color-changing hydrogen-detection tape, seen in beige, which was developed by Kennedy Space Center and the University of Central Florida in the mid-2000s, was applied to the OMBUU and helped to detect the leak's source. The technology went on to be used for every subsequent Shuttle launch up until STS-134, the program's penultimate mission.