Storage Tank TK-101

Out-of-Service Inspection Report (API 653)

Client	HARBOURVIEW TERMINALS (DEMO)
Site	Bayside Marine Terminal (fictional)
Inspection dates	22 – 26 September 2026
Inspector	J. Doe, API 653 No. 00000
Report date	1 October 2026

1. Executive Summary

Tank TK-101 was inspected while out of service for its scheduled internal inspection. The shell, bottom, roof and appurtenances were examined visually and with ultrasonic thickness (UT) testing. Overall the tank is in fair condition and is fit for continued service subject to the repairs listed in Section 4.

Localized bottom-plate pitting was found near the sump, with a minimum remaining thickness of 5.1 mm against a 2.5 mm minimum required. The calculated remaining life of the bottom is 11.4 years, which supports a 10-year next internal inspection interval.

2. Thickness Summary

Component	Nominal (mm)	Min. measured	Min. required	Status
Shell course 1	14.0	12.6	9.8	Acceptable
Shell course 2	12.0	11.2	8.1	Acceptable
Shell course 3	10.0	9.4	6.3	Acceptable
Bottom plate	8.0	5.1	2.5	Monitor
Roof plate	5.0	4.2	2.3	Acceptable