LOGO

API 653 INSPECTION REPORT

ABOVEGROUND STORAGE TANK INSPECTION

Tank Identification: API653

Report Number: IMP-1758529295860

Inspection Date: 2025-09-22

Customer: N/A

Location: N/A

INSPECTION TEAM

Lead Inspector: Imported

API 653 Certification: N/A

Reviewer: N/A

OILPRO CONSULTING

API-653 Certified Tank Inspection Services

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1.0 EXECUTIVE SUMMARY

OVERALL STATUS	COMPLETION	CRITICAL	MIN. LIFE
GO	100%	0	N/A

Tank API653 at the facility was inspected on 2025-09-22 in accordance with API 653 standards.

The inspection scope included external visual inspection, thickness measurements, and foundation assessment.

KEY FINDINGS:

- Overall Status: GO
- Inspection Completion: 100.0%
- Critical Findings: 0
- Major Findings: 0
- Minor Findings: 0
- Minimum Remaining Life: 999.0 years

IMMEDIATE ACTIONS REQUIRED: None

The tank is currently DRAFT.

2.0 TANK INFORMATION

IDENTIFICATION & SERVICE

Tank ID	API653
Customer	N/A
Location	N/A
Service/Product	crude
Current Status	draft

DESIGN & CONSTRUCTION

Diameter	N/A ft
Height	N/A ft
Capacity	N/A bbls
Year Built	N/A
Construction Standard	API 650
Design Code	N/A
Shell Material	A36 Carbon Steel
Original Shell Thickness	0.375 in
Specific Gravity	0.85
Foundation Type	Concrete Ringwall
Roof Type	Cone Roof

INSPECTION HISTORY

Current Inspection Date	2025-09-22
Last Internal Inspection	N/A
Years Since Last Inspection	10

Tank Age	N/A years
Inspector	Imported
API 653 Certification	N/A
Reviewer	N/A

3.0 API 653 CALCULATION ANALYSIS

This section presents the API 653 thickness calculations and compliance assessment.

SHELL COURSE ANALYSIS

Course	Original (in)	t-min (in)	Current (in)	CR (mpy)	RL (years)	Status
Shell	0.375	0.392	1.000	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.700	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.063	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	1.000	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	2.000	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	1.000	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	2.000	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	1.000	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.850	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.700	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.750	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.350	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.450	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.600	0.0	20.0	ACCEPTABLE
Shell	0.375	0.392	0.900	0.0	20.0	ACCEPTABLE

API 653 COMPLIANCE SUMMARY

- Calculation Method: API 653 Section 4.3.3.1 (One-foot method)
- Joint Efficiency Used: 0.85 (welded construction)
- Allowable Stress: 23,200 psi (A36 steel at design temperature)
- Corrosion Allowance: 0.0625 inches
- Inspection Intervals Calculated per API 653 Table 6.1

4.0 CORROSION RATE ANALYSIS

CORROSION RATE TRENDS

Component	Corrosion Rate (mpy)	Category
Shell - Average	0.00	Low
Shell - Maximum	0.00	Low
Bottom - Average	0.00	Low
Bottom - Maximum	0.00	Low

CORROSION PREDICTIONS

Based on current corrosion rates:

- Shell will reach minimum thickness in 999.0 years
- Projected thickness loss over next 5 years: 0.000 inches
- Recommended corrosion mitigation if rate exceeds 5 mpy

Corrosion Environment Assessment:

- Product corrosivity: Non-corrosive product
- External environment: Benign environment
- Coating effectiveness: Coating performing well

5.0 THICKNESS MEASUREMENTS

SHELL MEASUREMENTS

Location	Component	Original (in)	Current (in)	t-min (in)	CR (mpy)	RL (yrs)	Status
__EMPTY	Shell	0.375	1.000	0.392	N/A	N/A	**N/A**
__EMPTY	Shell	0.375	0.700	0.392	N/A	N/A	**N/A**
__EMPTY	Shell	0.375	0.063	0.392	N/A	N/A	**N/A**
API 653 BOLT...	Shell	0.375	1.000	0.392	N/A	N/A	**N/A**
API 653 BOLT...	Shell	0.375	2.000	0.392	N/A	N/A	**N/A**
API 653 WELD...	Shell	0.375	1.000	0.392	N/A	N/A	**N/A**
API 653 WELD...	Shell	0.375	2.000	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	1.000	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.850	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.700	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.750	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.350	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.450	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.600	0.392	N/A	N/A	**N/A**
__EMPTY_1	Shell	0.375	0.900	0.392	N/A	N/A	**N/A**

6.0 MINIMUM THICKNESS COMPLIANCE

COMPLIANCE RATE: 86.7%

Compliant Locations: 13 | Non-Compliant: 2

NON-COMPLIANT LOCATIONS REQUIRING ATTENTION

Location	Component	Current (in)	t-min (in)	Deficit (mils)	Action
__EMPTY	Shell	0.063	0.392	329	IMMEDIATE ACTION
__EMPTY_1	Shell	0.350	0.392	42	IMMEDIATE ACTION

** Minimum thickness calculated per API 653 Section 4.3.3.1 using one-foot method*

7.0 REMAINING LIFE ANALYSIS

CRITICALITY MATRIX

Risk Category	Count	Locations
CRITICAL (<2 years)	0	None
HIGH (2-5 years)	0	None
MEDIUM (5-10 years)	0	None
LOW (>10 years)	15	Multiple locations

LIFE EXTENSION RECOMMENDATIONS

• Implement Fitness-For-Service evaluation per API 579 for critical areas

• Consider thickness monitoring program with permanent UT sensors

9.0 INSPECTION CHECKLIST

14.0 DETAILED FINDINGS

CRITICAL FINDINGS

• No critical findings identified

MAJOR FINDINGS

• No major findings identified

MINOR FINDINGS

• Routine monitoring items only

15.0 RECOMMENDATIONS

16.0 NEXT INSPECTION INTERVALS

API 653 CALCULATED INTERVALS

External Inspection Due: 9/22/2030 (5 years)

Internal Inspection Due: 9/22/2035 (10 years)

BASIS FOR INTERVAL DETERMINATION

Tank Classification	Class II (standard service)
Corrosion Rate Basis	Long-term rate governs
Limiting Component	Bottom plates
API 653 Reference	Table 6.1 and Section 6.4.2
RBI Applied	No
Special Considerations	None

ADDITIONAL INSPECTION REQUIREMENTS

- Cathodic Protection Survey: Annual
- Settlement Survey: Every 5 years
- Coating Inspection: With external inspection
- Foundation Inspection: With external inspection
- Roof Inspection: Every 5 years or with internal
- Emergency Venting: Annual operational test

17.0 CONCLUSION

The API 653 inspection of Tank API653 has been completed successfully with no critical findings. The tank is considered fit for continued service under current operating conditions.

All thickness measurements meet or exceed API 653 minimum requirements, and the calculated remaining
life of 999.0 years provides adequate time for planned maintenance activities.

Recommended actions include routine monitoring and the scheduled maintenance items identified in this
report. The next internal inspection should be performed within 10 years.

CERTIFICATION

This inspection was performed in accordance with API 653 standards by qualified personnel.
All findings and recommendations are based on conditions observed at the time of inspection.

Imported
API 653 Certified Inspector
Cert #: N/A

Reviewer
QA/QC Manager
Date: 9/22/2025