

SUMMARY REPORT

FRP VESSEL

OWNER:
SomeCompany

FACILITY LOCATION:
Any Town

EQUIPMENT NAME:
Ferrous Storage Tank 3 South

PROCESS UNIT OR AREA:
South

EQUIPMENT NUMBER:
G-CST300-T35G2

MANUFACTURER:
I made it Inc.

CONSTRUCTION:
Lorem Ipsum Dolor

DRAWING NUMBER:
FRP Construction

CORROSION BARRIER:
FRP

STRUCTURAL:
FILAMENT, HAND LAYUP

OVERVIEW

Year of First UTComp Evaluation: 2013

Next UTComp Inspection: 2016

Suitability for Service Calculations: Not Possible

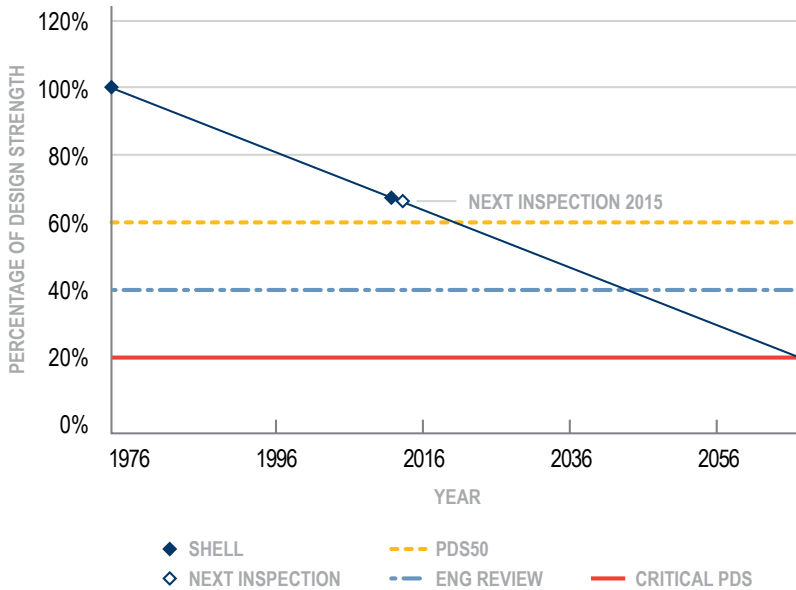
Predicted Year at Critical PDS:..... 2040

Remaining Service Life:..... 22 Years

Corrosion Barrier Condition:..... Good

PDS Values:..... Critical: 20% Min Section 58%

CONCLUSIONS



- The FRP vessel is suitable for continued service to the next recommended UTComp inspection.
- Percentage of Design Strength is greater than the Critical PDS.
- Percentage of Design Strength is greater than the PDS at 50% of its service life.
- Defects were observed in the Support Structure.

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- No damage or defects were observed for the INSULATED EQUIPMENT External Condition.
- Damage and defects were observed in External Components.
- No damage or defects were observed for the internal condition of the corrosion barrier.

RECOMMENDATIONS

UTComp System evaluation is recommended after all significant process excursions and environmental events.

UTComp recommends that a competent FRP Engineer be engaged for all recommended engineering activities including replacement, review, evaluation, repair design and repair inspection.

Action	Basis	Timing
Remove the insulation from the Hold Down lug locations.	Inspection is not possible	2014
Remove the concrete from the area near the Hold Down anchor.	Inspection is not possible	2014
Install overpressure protection on the vessel.	External Inspection	2014
Remove the insulation from the support locations of the Rooftop Access Ladder	External Inspection	2014
Obtain UTComp Data from the Top Head	Scope	2014
Next UTComp Evaluation	UTComp calculations	2017

SUMMARY

UTComp data was collected from the interior sections of Ferrous Storage tank 3 S (Equipment Number: G-CST300-T35G2) on December 15, 2013. This is the

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PHOTOS



THE PHOTO OF THE ROOF OF THE TANK.



THE SHELL OF THE TANK IS COVERED IN A DRY POWDERY SUBSTANCE.



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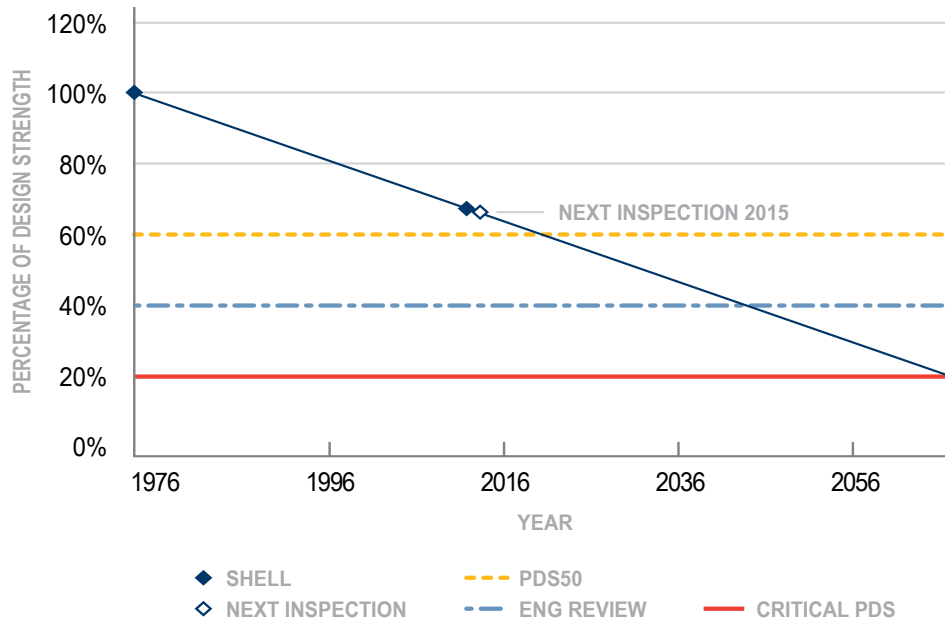
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REPORT OVEVIEW

Year of First UTComp Evaluation:	2013
Next UTComp Inspection:	2016
Suitability for Service Calculations:	Not Possible
Predicted Year at Critical PDS:.....	2040
Remaining Service Life:.....	22 Years
Corrosion Barrier Condition:	Good
PDS Values:	Critical 20% Min Section 58%



CONCLUSIONS

- The FRP vessel is suitable for continued service to the next recommended UTComp inspection.
- Percentage of Design Strength is greater than the Critical PDS.
- Percentage of Design Strength is greater than the PDS at 50% of its service life.
- Defects were observed in the Support Structure.
- No damage or defects were observed for the INSULATED EQUIPMENT External Condition.



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RECOMMENDATIONS

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Obtain UTComp Data from the Top Head	Scope	2014
Next UTComp Evaluation	UTComp calculations	2017

SUMMARY

UTComp data was collected from the interior sections of Ferrous Storage tank 3 S (Equipment Number: G-CST300-T35G2) on December 15, 2013. This is the 1st time that UTComp Evaluation has been completed for this equipment.

UTComp measurements were taken from 2 sections and 1 reinforcement. The scope of this work required inspection of the vessel top head from the outer surface. The outer surface of the top head had a non-slip surface applied which prevented UTComp readings from being taken. The External Inspection was completed using UTComp guidelines in general accordance with the principles of API 653 as adopted to



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