

Olíudreifing ehf
b.t. Gestur Guðjónsson
Hólmaslóð 8 - 10
101 Reykjavík

Reykjavík, 4. nóvember 2019
UST201901-236/H.E.
08.06.02

Varðar þykktarmælingar á geymum T0022, T0023 í olíubirgðastöð Olíudreifingar ehf. á Patreksfirði

Umhverfisstofnun barst þann 30. júlí sl. botnþykktarmælingar á tveimur geymum í olíubirgðastöð Olíudreifingar ehf. í Patreksfirði. Geymarnir eru nr. T0022, T0023. Geymarnir eru hvor um sig 95 rúmmetrar og eru staðsettir neðanjarðar innan lóðar olíubirgðastöðvarinnar.

Þykktarmælingar framkvæmdi Antonio Vincenzi hjá Petroltecnica S.p.A. þann 23. júlí sl. Notað var RAGNO mælingakerfi sem byggir á mælingavélmenni sem ekur um geyminn og mælir og staðsetur þykktir geymaveggja. Aðferðafræði „Ragno“ var samþykkt af Umhverfisstofnun með bréfi dags. 3. apríl 2018. Í skýrslu Petroltecnica S.p.A. kemur eftirfarandi fram að geymarnir mælast með minnstu þykkt upp á 8.12-9.04 mm. Gerðar eru athugasemdir við að ekki hafi náðst að mæla á öllum stöðum endaplatna vegna annars vegar málningarskemmda og hins vegar tenginga og fyrirstaðna í geyminum. Meðfylgjandi eru skýrslur Petroltecnica S.p.A. um botnþykktarmælingar geymanna.


Af niðurstöðum mælinga á þeim stöðum þar sem að þær voru framkvæmanlegar metur stofnunin ekki líklegt að þeir séu komnir í nálægt hættumörkum hvað varðar lágmarksþykkt. Vegna athugasemda sem koma fram frá mælingaaðila telur stofnunin hins vegar nauðsynlegt að geymarnir séu yfirfarnir og málningarskemmdir lagfærðar strax og færi gefst.

Umhverfisstofnun samþykkir áframhaldandi notkun á geyminum af framfylgdum ofangreindum skilyrðum. Botnþykktarmæla skal eigi sjaldnar en á 10 ára fresti.

Virðingarfyllst



Halla Einarsdóttir



Gottskálk Friðgeirsson

Afrit: Heilbrigðisnefnd Vestfjarða

Thickness Report

| | | |
|--|---|--|
| Date 06 July 2019 | NDT Test: Continuous Thickness test – Device “Camaleonte” | Protocol N.: UTR IS 082/19 |
| Client: ODR | Address: Patreksfjordur | Station Code: - |
| Object: Thickness Test Undergorund Tank T0022 – CM.95 Gasoline | | |
| Surface condition: Metal Painted | Device: Camaleonte | Serial No.: 002 |
| Probe: Immersed ultrasound probe | Precision: 0,01 mm | Calibration: Sample block SN001 |
| Transducer: Echo-echo with single probe | Frequency: 10 MHz | Range of measure: from 0.70 to 20 mm |
| Nominal thickness: Tank Shell *: 10.00 mm End Plates*: 10.00 mm (*) provided by the client/estimated | | Number of significant points detected: 661 Average Thickness: 09.54 mm Minimum Thickness: 08.13 mm |

NOTES: the coating in some areas is in bad condition or absent. Where the coating is in bad condition the thickness of the metal couldn't be measured. Due the presence of a reinforcement only the lowest parts of S4 and S5 have been measured. On S5 the central part of the lower part couldn't be measured.

EXAM RESULT:

No thicknesses reduction over 2 mm, compared to the nominal thickness have been detected among significant measures.

No thicknesses reduction below the half of the nominal thickness have been detected among significant measures.

No thicknesses below 3 mm have been detected among significant measures.

ASSESSMENT:

COMPLIANT

NOT COMPLIANT

DATE: 23/July/2019

Technician, II Level SNT TC 1A/UT LP:

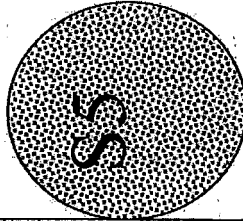
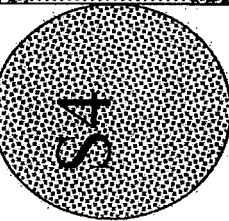
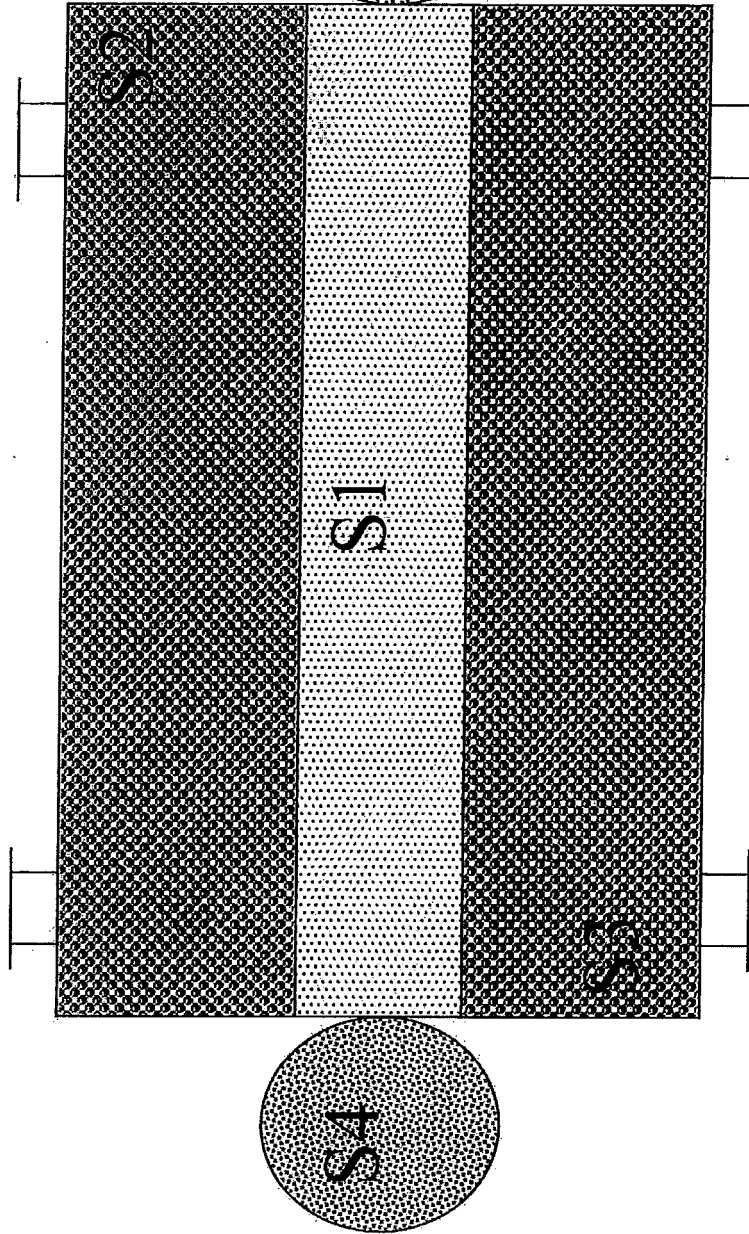
Antonio Vincenzi

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Report UTR IS 082/19



***Tank Data**
 Client: ODR
 PVF: Patreksfjordur
 Tank number: T0022
 Capacity (m³): 95
 Diameter (m): 3.1
 Length (m): 12.6
** provided by the Client*

| Section | Surface (m ²) | Average Thickness (mm) | Minimum Thickness (mm) |
|---------|---------------------------|------------------------|------------------------|
| S1 | 12.6 | 9.41 | 8.13 |
| S2 | 55.0 | 9.66 | 8.18 |
| S3 | 55.0 | 9.59 | 8.41 |
| S4 | 7.5 | 9.44 | 9.04 |
| S5 | 7.5 | 9.12 | 8.15 |



| Thickness Report | | |
|--|---|--|
| Date: 05 July 2019 | NDT Test: Continuous Thickness test – Device “Camaleonte” | Protocol N.: UTR IS 081/19 |
| Client: ODR | Address: Patreksfjordur | Station Code: - |
| Object: Thickness Test Undergorund Tank T0023 – CM 95 Gasoline | | |
| Surface condition: Metal Painted | Device: Camaleonte | Serial No.: 002 |
| Probe: Immersed ultrasound probe | Precision: 0,01 mm | Calibration: Sample block SN001 |
| Transducer: Echo-echo with single probe | Frequency: 10 MHz | Range of measure: from 0.70 to 20 mm |
| Nominal thickness: Tank Shell *: 10.00 mm End Plates*: 10.00 mm (*) provided by the client/estimated | | Number of significant points detected: 422 Average Thickness: 09.34 mm Minimum Thickness: 08.12 mm |

NOTES: the coating in some areas is in bad condition or absent. Where the coating is in bad condition the thickness of the metal couldn't be measured. Due the presence of a reinforcement only the lowest parts of S4 and S5 have been measured. On S5 the central part of the lower part couldn't be measured.

EXAM RESULT:

No thicknesses reduction over 2 mm, compared to the nominal thickness have been detected among significant measures.

No thicknesses reduction below the half of the nominal thickness have been detected among significant measures.

No thicknesses below 3 mm have been detected among significant measures.

ASSESSMENT:

COMPLIANT

NOT COMPLIANT

DATE: 23/July/2019

Technician, II Level SNT TC 1A/UT LP:

Antonio Vincenzi

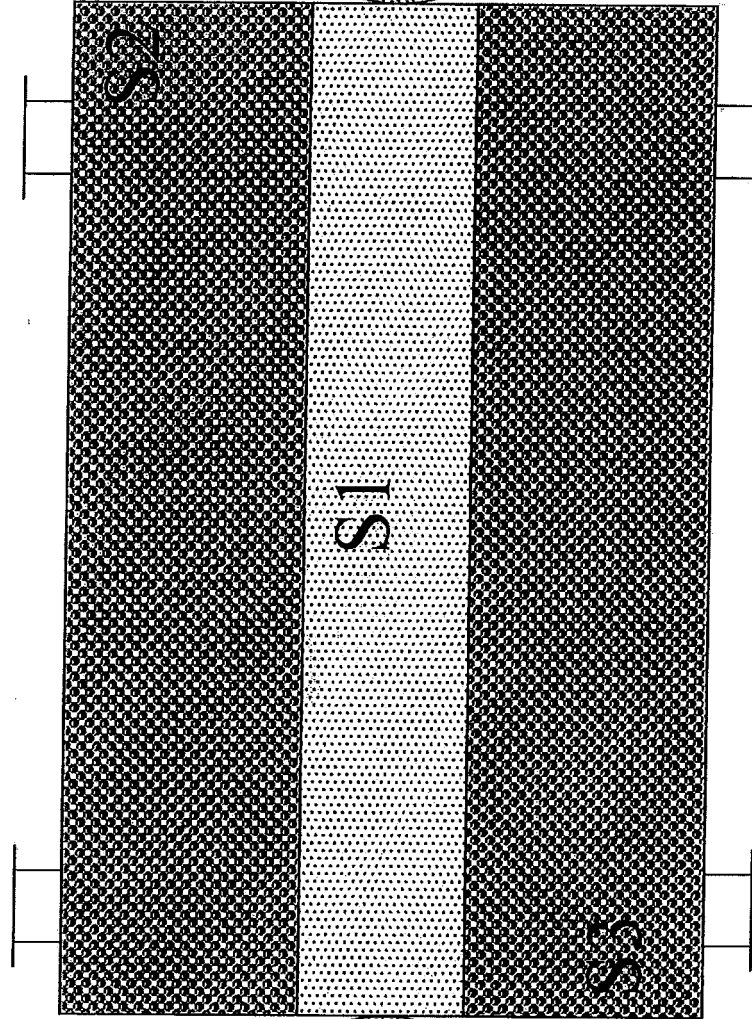


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Tel: 01 508 230 400

Report UTR IS 081/19



***Tank Data**

Client: ODR
 PVF: Patreksfjordur
 Tank number: T0023
 Capacity (m³): 95
 Diameter (m): 3.1
 Length (m): 12.6

** provided by the Client*

| Section | Surface (m ²) | Average Thickness (mm) | Minimum Thickness (mm) |
|---------|---------------------------|------------------------|------------------------|
| S1 | 12.6 | 9.28 | 8.12 |
| S2 | 55.0 | 9.48 | 8.44 |
| S3 | 55.0 | 9.42 | 8.58 |
| S4 | 7.5 | 9.01 | 8.33 |
| S5 | 7.5 | 8.98 | 8.39 |

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