**REPORT No. 2.-P-2020**

**Determination of a Contact Between the Pipeline and the Casing Pipe**

**by Measuring the Circuit Resistance Value „Pipeline-Casing”**

**Site Name:** Crossing of the Polotsk – Ventspils Main Oil Products Pipeline (MOPP) at the 308th km Under V1033 Pilsrundale-Svitene-Klieni Highway

**YrBlt:** 1972

**Region:** Rundale district, Rundale region

**Ground characteristics:** \_\_\_\_\_\_\_\_ sand clay \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

topography, ground characteristics

**Pipeline diameter, mm:** 529 (length of the casing pipe is 22.7m)

**Sort, type, and structure of the protective coating:** МБР ИJI-90 (bitumen)

**Time in service:** 48 years

Measurement data for the circuit resistance value „pipeline-casing”

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Measurement Date** | **Pipeline Section** | **Burial** **Place** | **Protection Potential, V** | **Type of Measurement** | **Allowable Rate, Q** | **Measurement Data, Q** |
| 17.09.2020 | 307 km +593m | HighwayV1033, Pilsrundale- Svitene-Klieni | The end of the casing:- pipeline - 1.15- casing – 0.89 | Resistance measurement of the crossing „pipeline - casing” | Not less than 1.0 | 0.33 |

**Finding:** During the visualinspection, poor status of the casing was stated. Water was indicated in the casing. The pipeline burial depth is h=0.80m. The measurements evidenced the electrolytical contact between the pipeline and its casing. It is required to repair or fill the casing cavity with *Casing Filler*.

21.09.2020

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