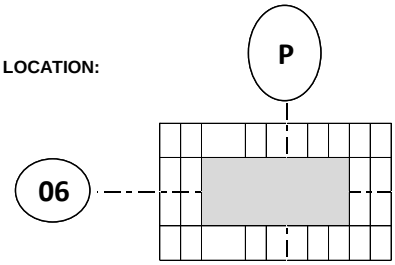
| | | |
|---|---|---|
| | PILES UNDERWATER INSPECTION | Rev. 1<br>Date: 07/04/2023 |

**INSPECTION DATE:** 4-jul-23

## 1. PILE DATA

**LOCATION:**




**NOMENCLATURA:** P - 06

**PILE DIAMETER:**

Underwater inspection was carried out to check the conditions of the pile both on the surface and under water.

## PHOTOGRAPHIC RECORD

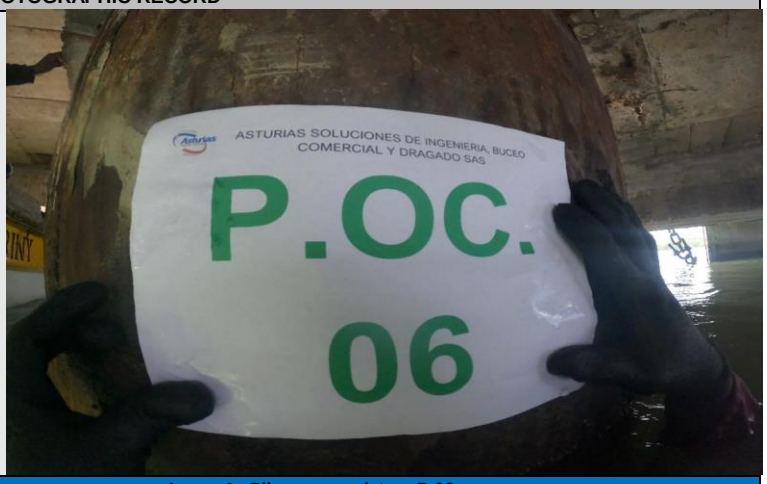



Image 1: Pile - nomenclature P-06

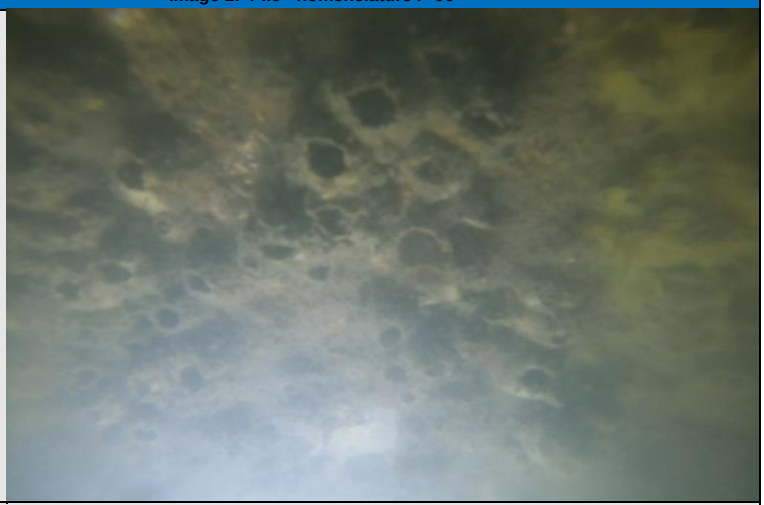


Image 2: Pile P-06 Below tide level covered largely by organisms.

Image 3: Pile P-06 covered by marine organisms and corrosion on patches.

Image 4: Pile P-06 metal expose with presence of corrosion and poroxity.

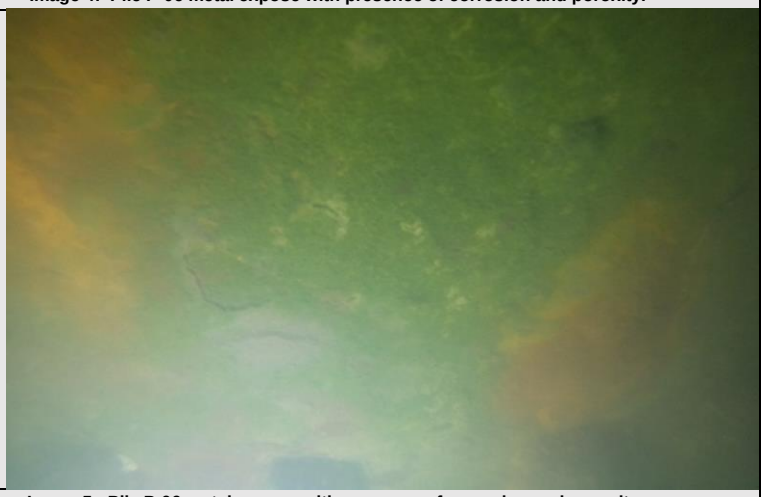


Image 5: Pile P-06 metal expose with presence of corrosion and poroxity.

| Severe Damage | | | | | Loss of cross - sectional area, or evaluate material | | | |
|---|---|---|---|---|---|---|---|---|
| STRUCTURE STATUS / LEVEL | STEEL COATING | CONCRETE | WOOD | COMPOSITE | STEEL COATING | CONCRETE | WOOD | COMPOSITE |
| I | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| II | X | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| III | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| IV | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| | |
|---|---|
| **Observations: There is evidence of poroxity, and corrosion on the steel coating surface.** | **Observations: there is no evidence of loss material.** |

| Surface defects normally obscured by marine growth | | | | |
|---|---|---|---|---|
| STRUCTURE STATUS / LEVEL | STEEL | CONCRETE | WOOD | COMPOSITE |
| I | | N/A | N/A | N/A |
| II | | N/A | N/A | N/A |
| III | | N/A | N/A | N/A |
| IV | X | N/A | N/A | N/A |
| **Observations: The structure is completely covered by marine growth** | | | | |

**Routine Underwater Conditions Assessment Rating**

| Ratting | | Description |
|---|---|---|
| 6 | Good | 6. No visible damage, or only minor damage is noted. Structural elements may show very minor deterioration, but no overstressing is observed. No repairs are required. |
| 5 | Satisfactory | |
| 4 | Fair | |
| 3 | Poor | |
| 2 | Serious | |
| 1 | Critical | |

**Recommended Minimum scope of routine inspections - Inspection sample size and method (s)**

0

| Material | Level | Sample Size (100%) | method |
|---|---|---|---|
| Concrete | i | 100 | |
| Piles | ii | 10 | Visual: Removal of marine growth to verify the levels of oxidation and metal conditions. |
| | iii | 5 | |
| Large | i | 100 | |
| elements2 | ii | Every 100 lt | |
| | iii | Every 200 lt | |
| Steel | i | 100 | |
| Piles | ii | 10 | |
| | iii | 0 | |
| Large | i | 100 | |
| Elements2 | ii | Every 100 lt | |
| | iii | 0 | |

| ELABORATED BY ASTURIAS INGENIERIA | DIVING SUPERVISOR | VoBo | OBSERVATIONS |
|---|---|---|---|
| Lead Diver: Piter Cuero | Juan D. Zapata Chacon | Camilo A. Chacon | No serious damages or cracking were found both on the surface and below tide levels. |