

Quality Report of Yacht Sanding

Summary of Data

Today's Quality Inspection Report - 2025-01-21

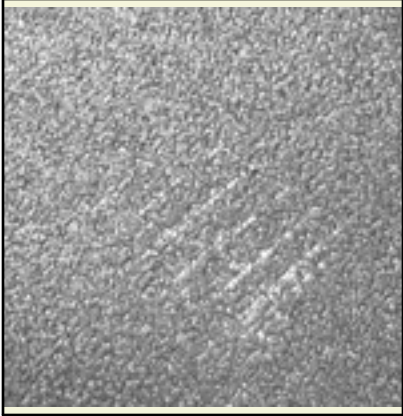
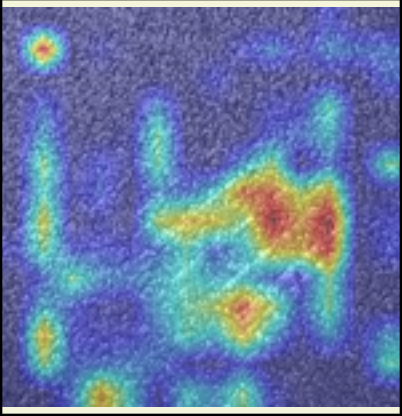
The yacht manufacturing facility conducted a routine quality inspection on all parts scheduled for painting today. The inspection focused on the critical aspect of surface roughness, which is essential for ensuring proper paint adhesion. The success rate of parts meeting the required roughness standards was 60%, indicating that 40% of the parts did not meet the necessary criteria.

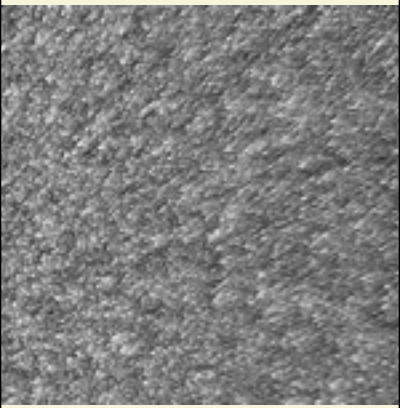
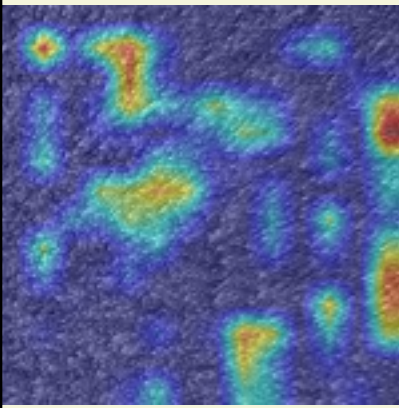
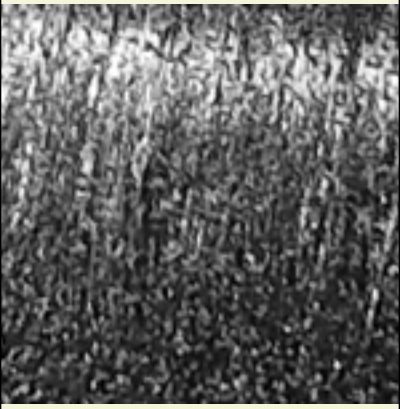
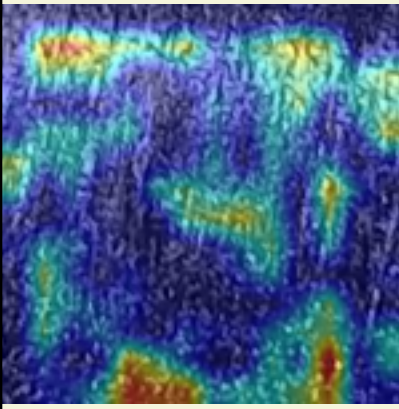
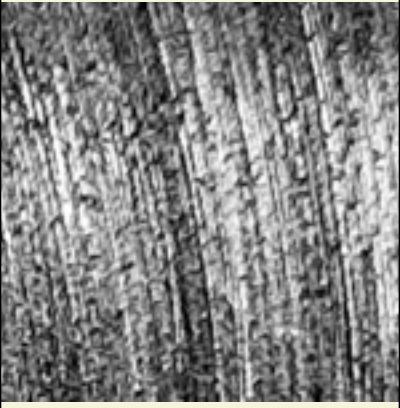
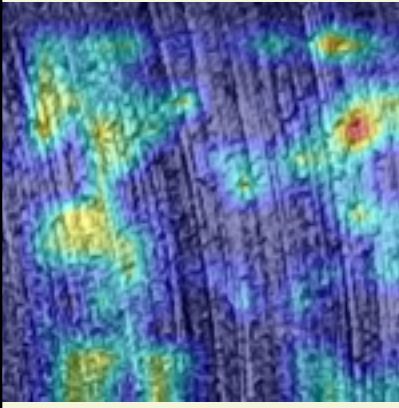
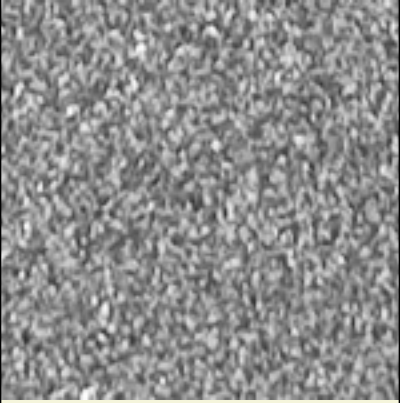
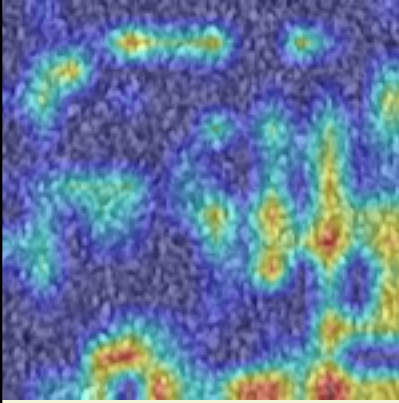
Surface roughness plays a pivotal role in the yacht painting process. It provides a textured surface that enhances the adhesion of the paint, ensuring a durable and long-lasting finish. The minimum required roughness for optimal paint adhesion is 2.5 micrometers. Parts that do not meet this standard may result in poor paint adhesion, leading to chipping, flaking, and premature failure of the paint coating.

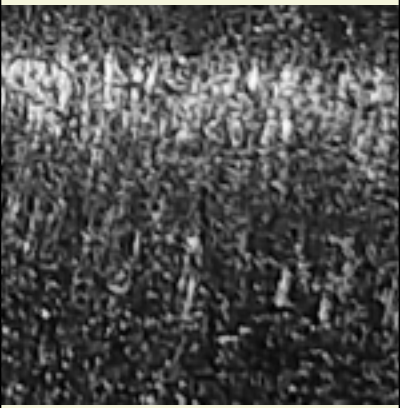
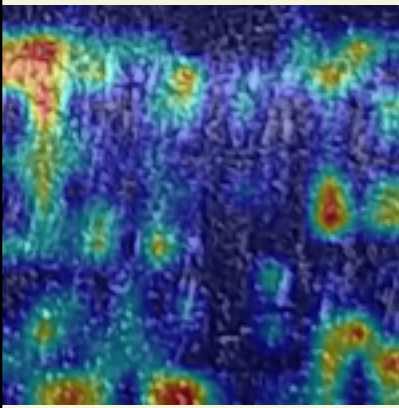
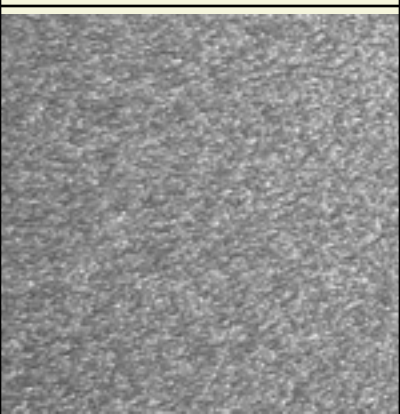
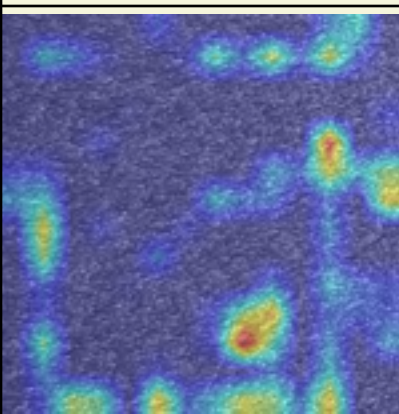
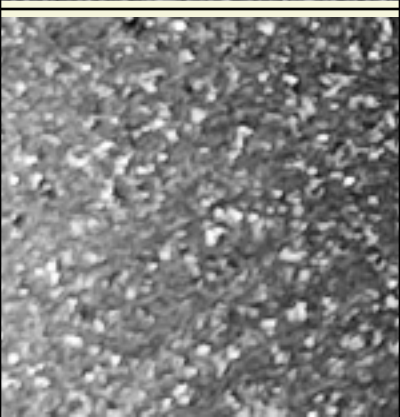
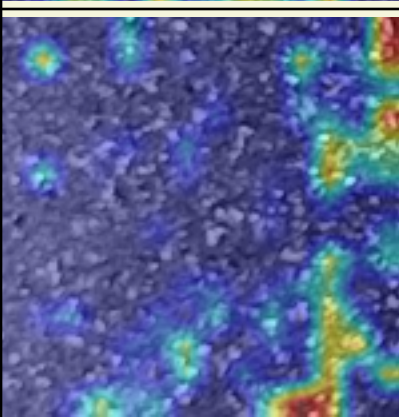
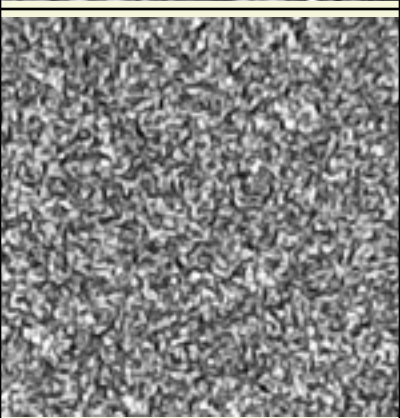
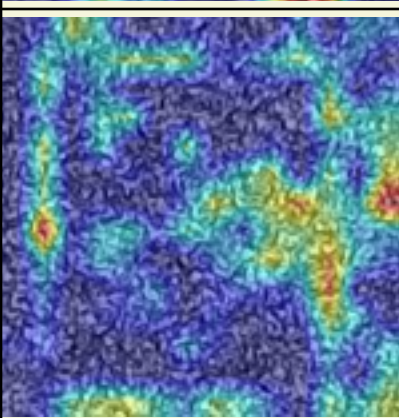
The inspection process involved visual and tactile assessments, as well as the use of specialized equipment to measure the surface roughness of each part. Parts that did not meet the required roughness standards were identified and set aside for rework or replacement. The rework process includes sandblasting or other surface treatment methods to increase the roughness of the parts to the required level.

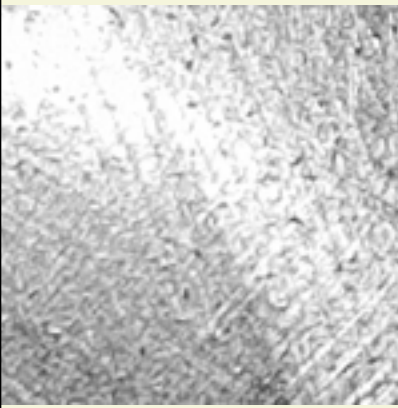
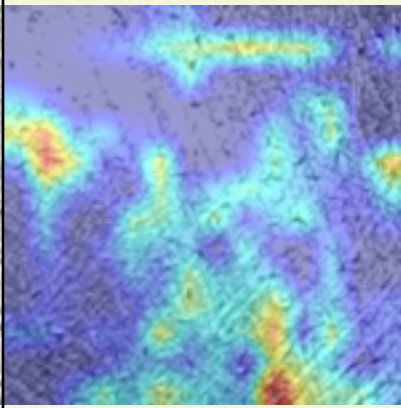
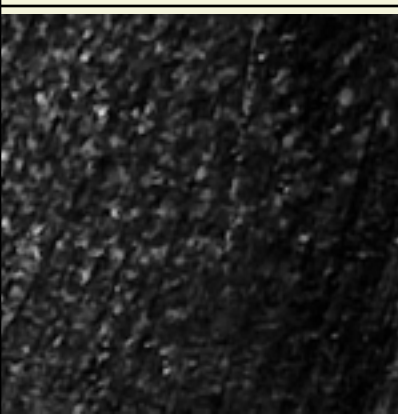
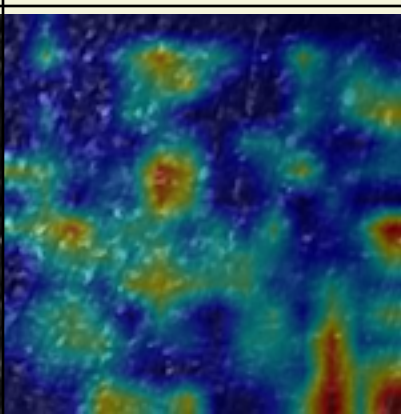
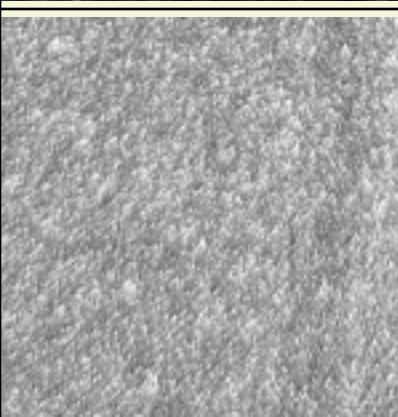
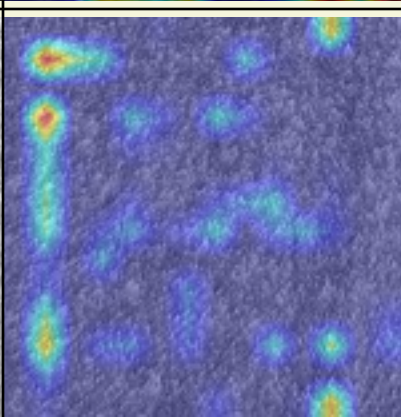
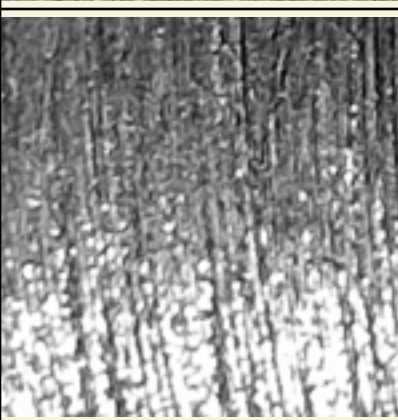
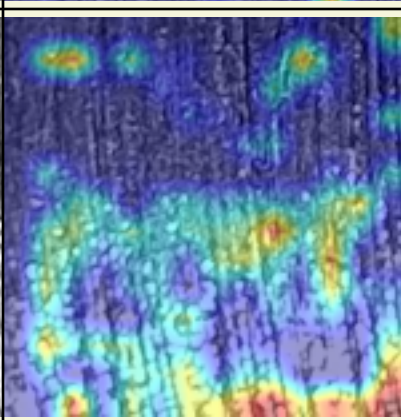
In conclusion, maintaining the required surface roughness is crucial for the quality and longevity of the paint finish on our yachts. The inspection results highlight the need for continued vigilance and adherence to quality control standards to ensure that all parts meet the necessary criteria before painting.

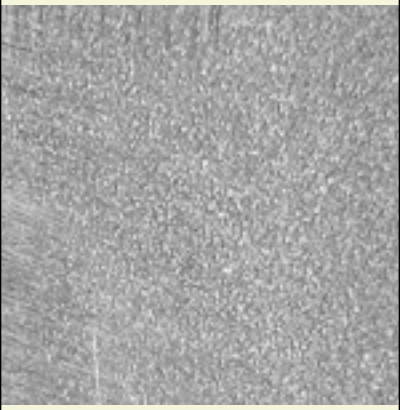
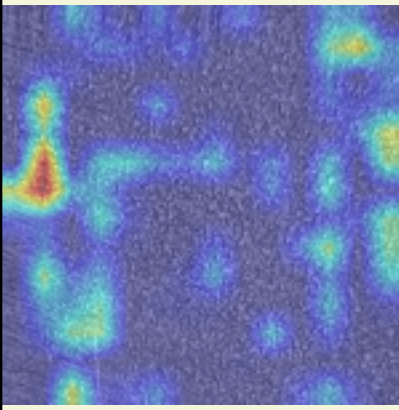
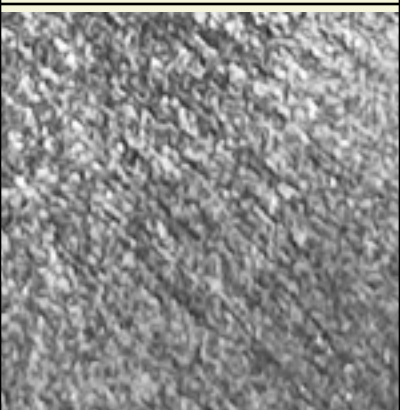
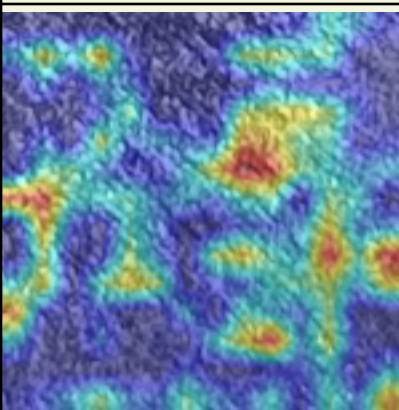
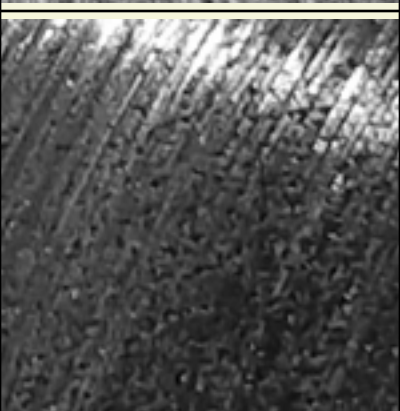
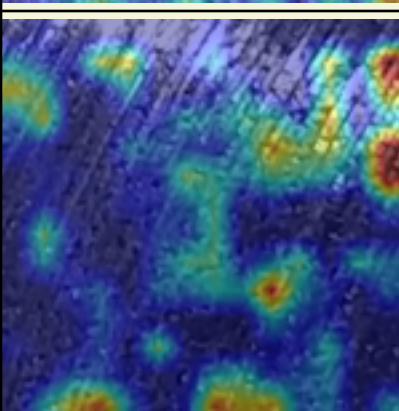
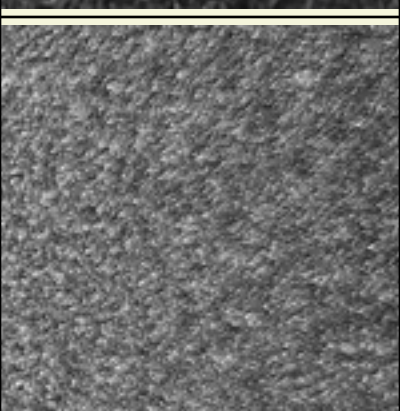
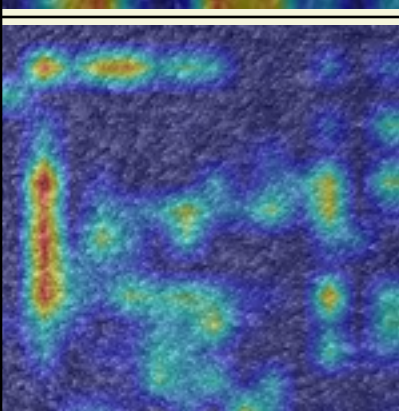
Appendix

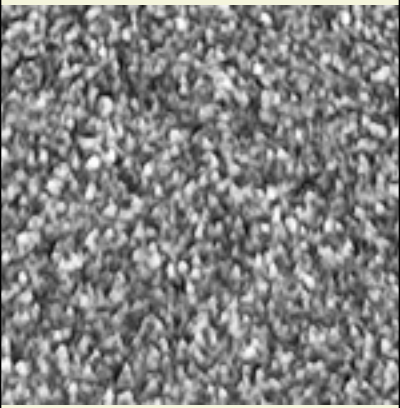
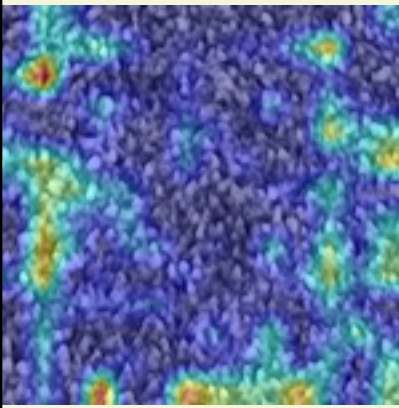
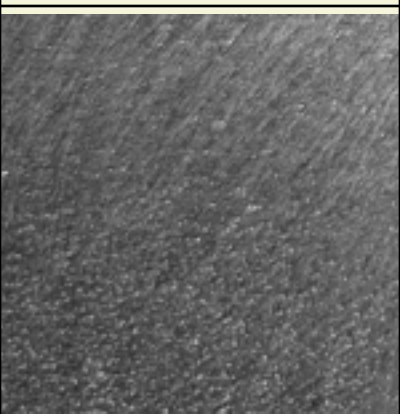
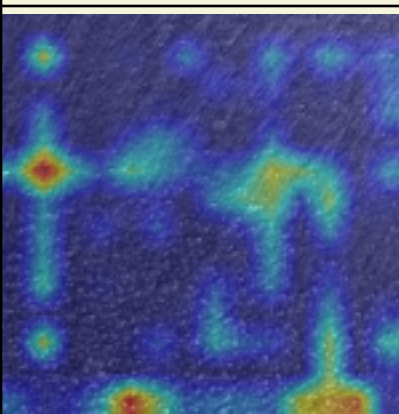
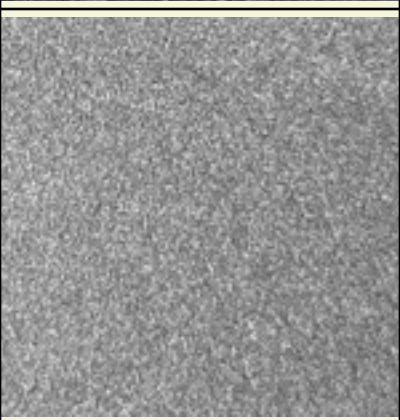
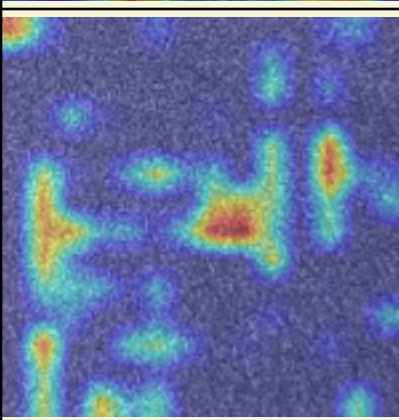
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