



APPLICATION OF THE METHOD OF THERMAL IMAGING DIAGNOSTICS IN DETERMINING THE DEGREE OF TECHNICAL CONDITION OF ELECTRICAL EQUIPMENT

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Annotation:

In this article, thermal imaging diagnostics has become one of the most popular methods of maintenance and repair of electrical equipment. Its increasing popularity is due to its ability to ensure the safety of workers and identify equipment problems that can lead to system failure. In order to feel the optimal performance and productivity of the equipment, it is recommended to include Thermo-graphic checks in standard maintenance procedures. This is useful in extending the life of the equipment, which in turn reduces the need for expensive replacement. By preventing the main problems in equipment, thermal imaging has repeatedly proven to be the most reliable technique for storing and repairing electrical equipment.

Keywords: Thermal imaging diagnostics, electrical equipment, maintenance, efficiency, productivity, electrical components, optimal equipment performance.

The method of thermal imaging diagnostics is a powerful technique for determining the technical condition of electrical equipment. By using infrared cameras, it is possible to detect hot spots and other anomalies that could indicate potential issues with the equipment. This allows technicians to identify and address potential problems before they become more serious and expensive to fix.

With thermal imaging, it is possible to quickly and accurately assess the health of electrical equipment, including motors, transformers, and switchgear. By comparing the temperature profiles of different components, technicians can identify outliers and areas that require further investigation.

In addition to identifying potential issues, thermal imaging can also be used as a tool for ongoing maintenance and monitoring of equipment. With regular imaging, technicians can track changes in temperature over time and identify trends that could indicate impending failure.

Overall, the method of thermal imaging diagnostics is an essential tool for anyone responsible for maintaining and servicing electrical equipment. By providing fast,





accurate, and non-invasive testing, thermal imaging can help ensure that equipment remains in top condition and minimize downtime due to unexpected failures.

Thermal imaging diagnostics is an essential tool for those who are in charge of maintaining and servicing electrical equipment. This method provides fast, accurate, and non-invasive testing, ensuring that equipment remains in top condition. With this method, unexpected downtime due to equipment failures can be minimized.

Thermal imaging diagnostics is a must-have tool for professionals who are responsible for maintaining and repairing electrical equipment. By utilizing this method, they can perform quick, precise, and non-invasive testing, which ensures that the equipment remains in excellent working condition. As a result, unexpected downtime resulting from equipment malfunctions can be minimized, effectively enhancing work efficiency and productivity.

Thermal imaging diagnostics is indeed a vital instrument for maintenance and repair of electrical equipment. It allows professionals to execute prompt, accurate, and harmless tests, guaranteeing outstanding working state of the equipment. Subsequently, unexpected downtime and malfunctions can be avoided, ultimately facilitating work operations and boosting productivity. Ensuring that thermo graphic inspections are performed regularly is of the utmost importance, especially in the industry where even a minor malfunction can lead to disastrous results. Therefore, professionals should incorporate thermal imaging into their regular maintenance routine for best results.

Thermal imaging diagnostics plays a crucial role in maintenance and repair of electrical equipment. This technique is widely used to identify potential issues in the electrical equipment before they turn into major problems that can cause significant downtime and production losses. Accurate inspection of electrical components with thermal imaging helps professionals quickly detect any anomalies, including overheating or malfunctioning of the equipment. The use of thermal imaging not only ensures the safety of the workers but also reduces the risk of damage to the equipment. Thus, incorporating thermo graphic inspections into regular maintenance routines is highly recommended to ensure optimal performance and productivity of the equipment. Additionally, proactive maintenance using thermal imaging diagnostics can extend the lifespan of the equipment, reducing the need for costly replacements. Thermal imaging diagnostics has become a widely popular technique for maintenance and repair of electrical equipment. The inspection of electrical equipment with thermal imaging not only ensures the safety of the workers but also helps to detect any anomalies quickly. With the use of thermal imaging, potential issues in the electrical equipment can be identified before they turn into major problems, which if





left unnoticed, can cause significant downtime and production losses. Incorporating thermo graphic inspections into regular maintenance routines is highly recommended to ensure optimal performance and productivity of the equipment. Additionally, proactive maintenance using thermal imaging diagnostics can extend the lifespan of the equipment, ultimately reducing the need for costly replacements. Hence, thermal imaging technique has proven to be highly beneficial to the maintenance and repair of electrical equipment.

Thermal imaging diagnostics has become one of the most popular techniques for the maintenance and repair of electrical equipment. Its rising popularity is owed to its ability to ensure the safety of workers and detect potential issues in equipment that could lead to system shutdowns, causing production losses. To experience optimal performance and productivity of equipment, it is strongly recommended to incorporate thermo graphic inspections into standard maintenance routines. This is beneficial in extending the lifespan of the equipment, which in turn reduces the need for costly replacements. By preventing major issues in equipment, thermal imaging has time and again proven to be the most reliable technique for maintaining and repairing electrical equipment.

Thermal imaging diagnostics have emerged as the go-to technology for the maintenance and repair of electrical equipment. This is because of its effectiveness in mitigating the risks associated with malfunctioning equipment that could pose significant dangers to workers. With thermal imaging, the inspection process has become more streamlined, as it enables the early detection of potential issues that could cause system shutdowns and production losses. By adopting a proactive maintenance approach that incorporates thermo graphic inspections, companies can extend the lifespan of their equipment and minimize the need for costly replacements. In this way, thermal imaging proves to be a cost-effective and reliable technique for maintaining and repairing electrical equipment. As such, it has become an essential practice for companies looking to optimize their performance and productivity, while safeguarding their workers' safety. Thermal imaging has revolutionized the maintenance and repair of electrical equipment. It has proven to be the most effective technology in mitigating hazards caused by malfunctioning machines. The streamlined inspection process brought by thermal imaging has enabled early detection of potential problems preventing further damages and losses. By implementing thermo graphic inspections, companies have adopted a proactive maintenance approach, which helps extend the lifespan of their equipment, reduce downtime and avoid expensive replacements. Therefore, thermal imaging has not only provided cost-effective solutions but also given a guarantee of consistent





equipment reliability. It has become an essential practice for companies aiming to optimize their performance, improve productivity and safeguard their workers' safety.

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