



COMPANY PROFILE

www.tshiamisohydraulics.co.za

ABOUT US

Tshiamiso Design and Hydraulics is a level one B-BBEE company owned by Thabisho Olyn, Mr Olyn has been in this industry for more than 15 years in conducting Condition Monitoring on all types of machinery. As a growing company we aim to focus mainly on the local mines in the John Taolo Gaetsewe District Municipality

Tshiamiso Design and Hydraulic ensure Condition Monitoring surveys are conducted to ensure the availability and reliability in the Plant. Condition Monitoring surveys include Vibrations Analysis, Thermograph IR Analysis, Shaft Alignment, Temperature Analysis, Oil Analysis, Maintain and Service Hydraulic Packs, NDT: Non-Destructive Testing, Analysis report and identification of areas where Condition Monitoring specialist advice is required.

We provide with an advance condition monitoring technology machine to diagnose defect equipment in the Plant. In the present context a condition monitoring programme is regarded as a systematic approach to anticipating, identifying, analyzing, controlling the availability and reliability of the Plant. The critical equipment identification process provides the needed to identify, control, and prevent unexpected downtime.



OUR SERVICES



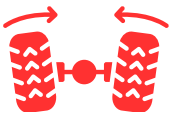
VIBRATION ANALYSIS

We specialize with vibration analysis (Bearing analysis) on rotating Equipment. Thus, rotating machines include Fans, Pumps, Compressors, PDT Gearboxes, Electrical Motor, Gearboxes and Blower.



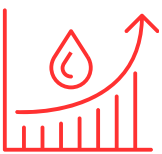
THERMOGRAPH IR ANALYSIS

Infrared thermography is science of detecting infrared energy emitted from an object, converting it to apparent temperature, and displaying the result as an infrared image. Literally, infrared thermography means “beyond red” (infrared) “temperature picture” (thermography).



SHAFT ALIGNMENT

Misalignment is caused by two elements of which is parallel and angular misalignment. If the misalignment shaft centrelines are parallel but not coincident, then the misalignment is called a parallel misalignment.



OIL ANALYSIS

Oil analysis is a routine activity for analysing oil health, oil contamination and machine wear. The purpose of an oil analysis program is to verify that a lubricated machine is operating according to expectations.



MAINTAIN AND SERVICE HYDRAULIC PACKS

To ensure preventative and proactive maintenance are conducted in the system. The aim is to ensure that hydraulic pack always is dirt free and no leakage on the system. This service ensures the reliability and availability of the plant.

STRONG POINTS

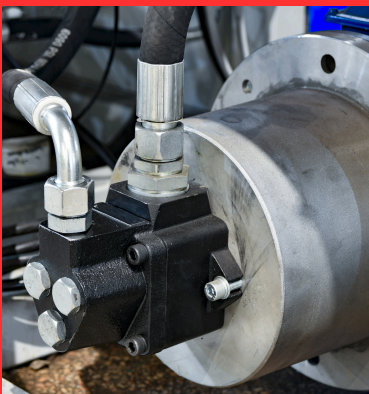
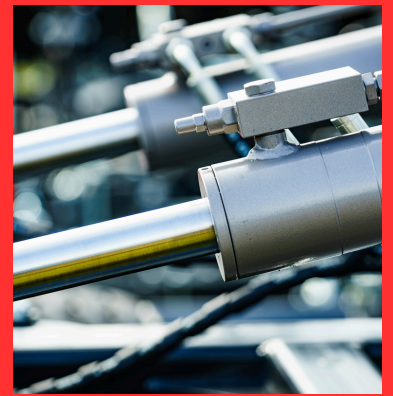
Our approach is centered on maximizing plant reliability and efficiency through a strong focus on proactive maintenance and quick turnaround times. With deep expertise in plant reliability, we ensure operations run smoothly and effectively, minimizing downtime and optimizing performance. Our commitment to proactive maintenance allows us to anticipate and prevent potential issues, ensuring that the plant remains efficient and dependable at all times.

FUTURE PLANS

Our strategy includes securing partnerships with additional mines to expand our working scope and increase our impact in the industry. By broadening our network, we aim to provide more comprehensive services across a wider range of operations. Additionally, we are focused on negotiating Service Level Agreements (SLAs) rather than relying on continuous purchase orders, creating long-term stability and fostering stronger, mutually beneficial relationships with our clients.



GALLERY



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