



*TGL Fabrication Co.,Ltd.*  
*A growing Company with a growing reputation.*

***Horizontal Load Testing & Inspection  
Services.***

TGL Fabrications Co; Ltd Inspection Services provides comprehensive inspection of all hoisting and lifting gear onshore & offshore; the equipment is inspected to the latest standards API, BS and International guidelines as well as DIN *ISO* 2307. All the equipment, from the largest cranes to the smallest shackles and slings, are registered in our portable database reporting system to ensure a systematic and thorough traceability process for the customer.

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**Horizontal Load Testing Facility.**

Systems which pull, haul, lift are all dependent on the performance of the wire rope or chain you are using. Whether you're concerned with quality, safety or performance; wire rope testing for breaking strength & working load including elongation are all critical in today's market usage. TGL has decided that "now" was time to offer this Service to the Oil & Gas plus Construction Industries here on the Eastern Sea Board of Thailand.

Services are carried out at our Sattahip workshop on the Eastern Seaboard in Chonburi Province. The horizontal test bed complete with computer read out offers reliable & affordable testing solutions from the smallest of ropes 50 Kg too ropes with a test strength of 50,000 Kg or 50 tons; & "don't forget all those shackles & master links which you have; webbing slings" can also be tested & certified using our horizontal test machine! TGL has demonstrated over the past years using a process of regular inspection & maintenance programs greatly enhances the lifespan of your lifting equipment; thus saving you the client money by reducing excess damage to your equipment. Our staff is trained to recognize physical & mechanical wear in its early stages; our inspectors will highlight & report anything which we feel requires "you the clients" immediate attention.

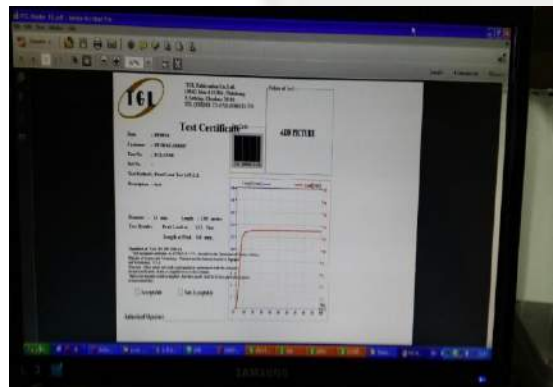


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TGL's Horizontal testing machine is computer controlled & capable of testing up to 50 Ton slings & shackles plus master links & rigging. In house certification is automatically printed & all testing has a witness Certificate from a "Certified Third Party Inspection Company here in Thailand".

All inspection reports consist of the following:

- Visual inspection backed up by photos & report.
- Proof load test to "Customer requirements".
- BV & or GL third party witnessing with certification.
- Recommendations on discontinued use of equipment backed up by photo & complete report.
- TGL's testing machine is fully calibrated & certified by an independent third party Witness.
- Qualified inspectors from third party witness institutions are brought in as & when required.
- All "non destructive testing" is undertaken on TGL's site.
- Certified test reports will be provided for all equipment tested by the "Third Party Witness".



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The test machine has been designed specifically for wire rope & chain testing along with shackles & master links; the test frame is powered by hydraulics for high strength testing & can be customized in length to meet a variety of wire rope applications. Our test equipment uses proven electronic software to ensure accurate results are given each time a test is made, we also provide an electronic transfer of data-system for your test to let you know when it needs retesting in the future (TGL's own on-line data bank).

The specially designed software package manages & automates the entire testing procedure by entering "pretest parameters" into the pull program, this application software allows our test technicians to run tests quickly & effortlessly (**No shock loading allowed**). The end result is a testing system which integrates seamlessly with all present day needs of our clients.

TGL's machine has a high loading accuracy & infinitely variable straining speeds to suit a wide range of ropes or chains. A robust loading frame with simple controls & easy to operate control system. All adequate safety devices for safe operator operation; fully computerized so load & printout of results can be done on site.

Special Accessories; variable bed length, extra ram stroke, various special grip attachments; fixtures as per size or shape can be manufactured to suit your special application needs. A maximum Capacity from 100 Kg to 50,000 Kg.

**Loading accuracy is within  $\pm 1\%$ , conforms to IS:1828 / BS:1610.**



### **NOTE:**

"Defective Slings" which could be repaired & recertified shall be stored & "tagged" in a secure manner that renders them inaccessible! They will be labeled stating "**NOT FOR USE**", the fault & date of find will be documented by the testing personnel whilst the repair is pending.

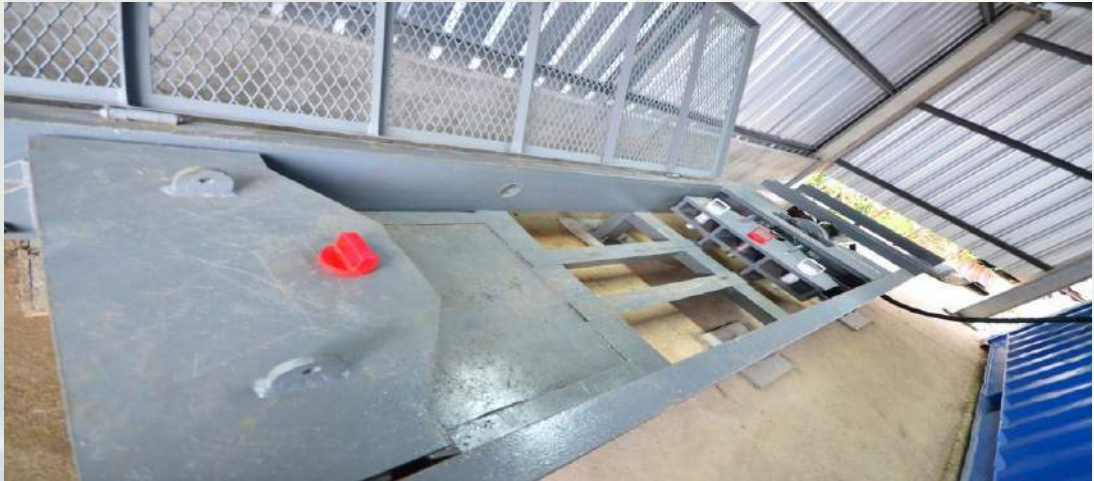
Unless defective slings are "repaired & recertified", **they shall & will be "destroyed to prevent any further use!"**

TGL supplies & runs a very competitive service with superior testing & unbeatable delivery with intensive calibration routine for high accuracy & repeatability.

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**Fully adjustable beds for various length ropes & cables.**



**Full length guards ensures operator safety.**



**Load pins for different angles.**



**Large effective bed clearance enables testing of a wide range of specimens.**

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**Testing fully controlled from within an air conditioned cabin,  
3 phase oil cooler to keep the hydraulic oil in a cool state.**



**Revolving safety beacon warning light when testing is being  
conducted.**

**TGL Inspection Services feel that we; “are your best choice” for first step operations and for complete load testing services. TGL Inspection Services operates under the International Guidelines of ISO 9001 and we Only Use International Accepted Codes Standards & Practices in all our operations.**

**Everyone here at TGL Inspection Services looks forward to hearing from you in the future and we will endeavor to make your job easier. Let our trained staff look after your needs. Just call us or send e-mail request for assistance, all contact information is on bottom of the cover page of this Company Profile.**