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# Load test report

**SOFTWARE TEST PLAN**

Project Name: \_\_\_\_\_

Approved: \_\_\_\_\_

Equipment Used: \_\_\_\_\_

Operator: \_\_\_\_\_

Test Date: \_\_\_\_\_

Test Location: \_\_\_\_\_

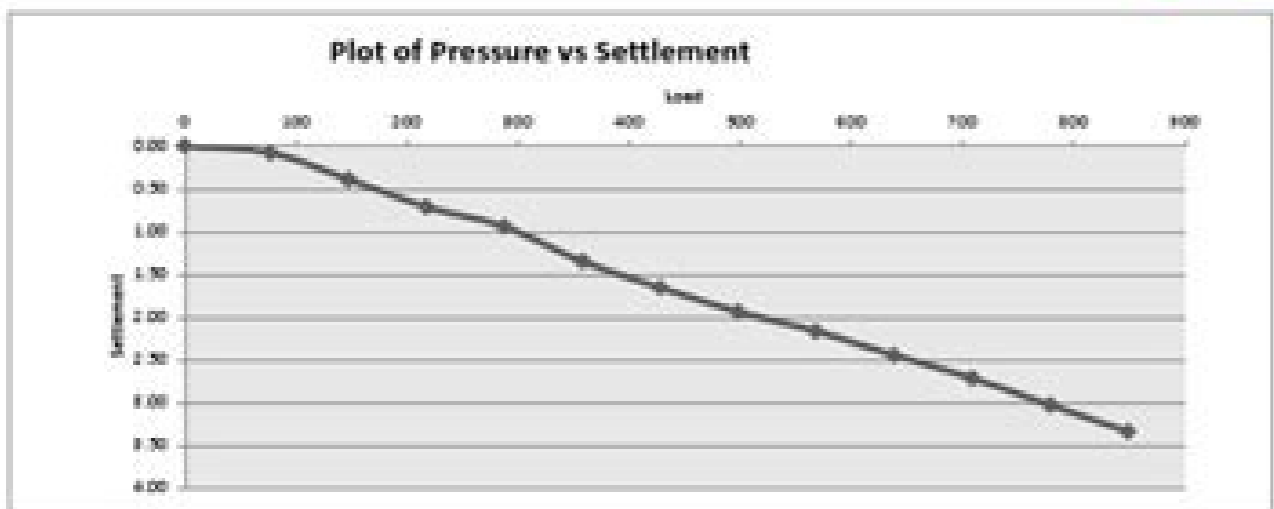
Test Duration: \_\_\_\_\_



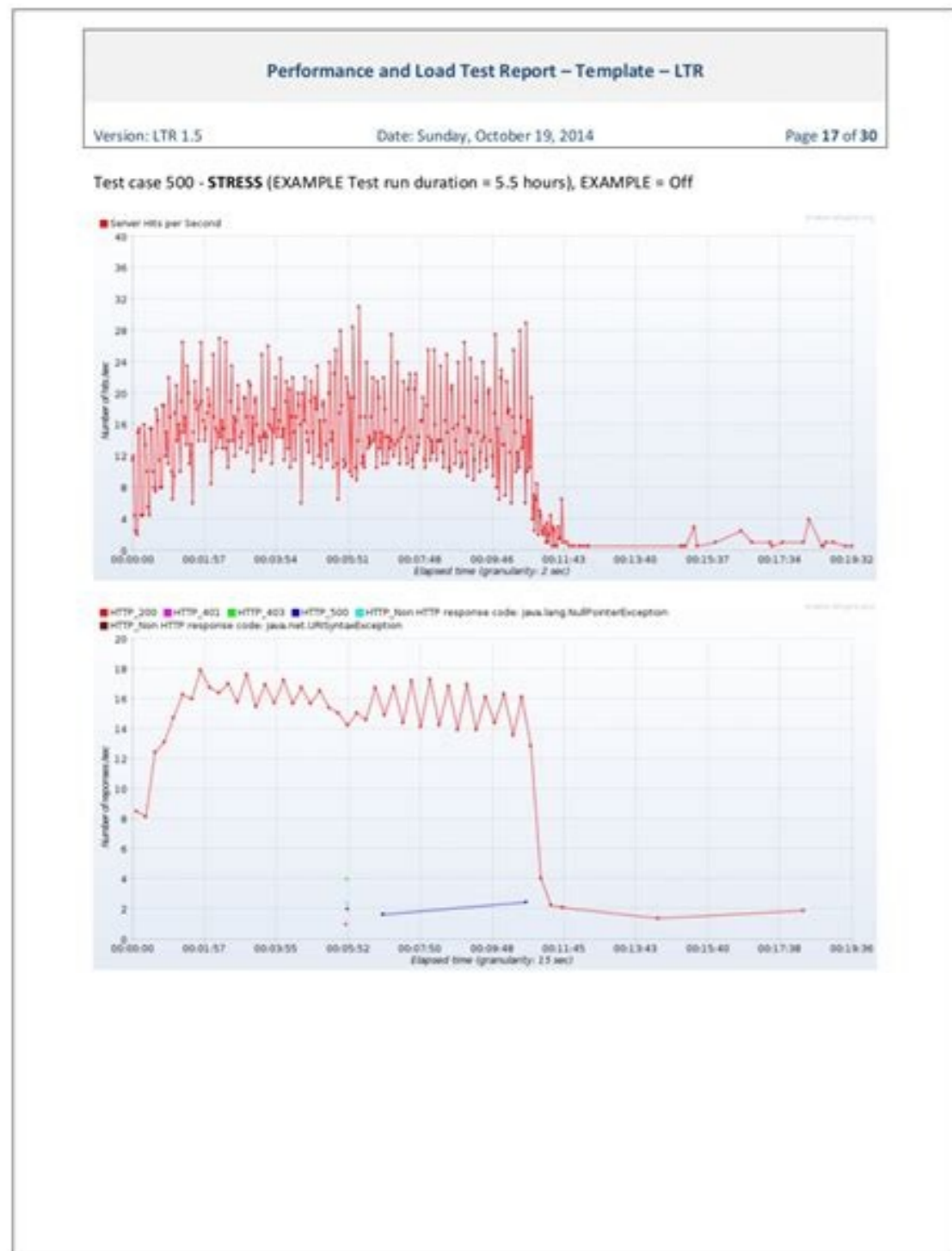
**UNIVERSAL TESTING LABORATORY AND INSPECTION, INC.**  
 14<sup>th</sup> Pang Boulevard  
 Pang City, Marikina, Philippines

Client: **SHERZO PHILIPPINES CONTRACTORS, INC.**  
 Project: **Panaa Philippines Factory Project**  
 Location: **Malvar - Laguna City, Batangas**  
 Date Tested: **October 4, 2013**  
 Tested By: **K. L. F. Perez / P. Maglangit**  
 Load Weight of Equipment: **2.41 T**      Plate Diameter: **12 inches Ø**  
 Calibration: **0.5062M AN**      Area: **0.0720 m<sup>2</sup>**  
 Test Location: **No. 1 (M-9/E)**  
 Elevation: **-1.50m. from ground level**

| Load(kN) | Adjusted Load | Time     | Displacement (Per Division) |          |          | Displacement (Summed) |          |          | Average | Pressure (kPa) |
|----------|---------------|----------|-----------------------------|----------|----------|-----------------------|----------|----------|---------|----------------|
|          |               |          | Strain A                    | Strain B | Strain C | Strain A              | Strain B | Strain C |         |                |
| 5        | 5.6267        | 9:45 AM  | 0                           | 0        | 25       | 0                     | 0        | 0.25     | 0.0833  | 77.31          |
| 10       | 10.7472       | 10:00 AM | 14                          | 46       | 58       | 0.14                  | 0.46     | 0.58     | 0.3900  | 147.29         |
| 15       | 15.8677       | 10:15 AM | 42                          | 90       | 82       | 0.42                  | 0.90     | 0.82     | 0.7133  | 217.47         |
| 20       | 20.9882       | 10:30 AM | 62                          | 120      | 102      | 0.62                  | 1.20     | 1.02     | 0.9467  | 287.64         |
| 25       | 26.1087       | 10:45 AM | 102                         | 171      | 132      | 1.02                  | 1.71     | 1.32     | 1.3500  | 387.82         |
| 30       | 31.2292       | 11:00 AM | 134                         | 210      | 154      | 1.3                   | 2.10     | 1.54     | 1.6600  | 428.06         |
| 35       | 36.3497       | 11:15 AM | 167                         | 243      | 172      | 1.67                  | 2.43     | 1.72     | 1.9400  | 486.17         |
| 40       | 41.4702       | 11:30 AM | 195                         | 269      | 187      | 1.95                  | 2.69     | 1.87     | 2.1700  | 544.29         |
| 45       | 46.5907       | 11:45 AM | 229                         | 299      | 207      | 2.29                  | 2.99     | 2.07     | 2.4500  | 638.53         |
| 50       | 51.7112       | 12:00 PM | 264                         | 328      | 224      | 2.64                  | 3.28     | 2.24     | 2.7200  | 706.70         |
| 55       | 56.8317       | 12:15 PM | 306                         | 361      | 243      | 3.06                  | 3.61     | 2.43     | 3.0333  | 779.88         |
| 60       | 61.9522       | 12:30 PM | 345                         | 394      | 264      | 3.45                  | 3.94     | 2.64     | 3.3433  | 849.06         |
| 65       | 67.0727       | 12:45 PM | 382                         | 424      | 285      | 3.82                  | 4.24     | 2.85     | 3.6367  | 919.23         |
| 70       | 72.1932       | 1:00 PM  | 432                         | 466      | 316      | 4.32                  | 4.66     | 3.16     | 4.0467  | 989.41         |
| 75       | 77.3137       | 1:15 PM  | 485                         | 512      | 352      | 4.85                  | 5.12     | 3.52     | 4.4967  | 1059.59        |
| 80       | 82.4342       | 1:30 PM  | 529                         | 551      | 384      | 5.29                  | 5.51     | 3.84     | 4.8800  | 1129.76        |
| 0        | 0.5062        | 2:15 PM  | 444                         | 452      | 305      | 4.44                  | 4.52     | 3.05     | 4.0033  | 5.94           |



Tested By: **K. L. F. Perez**      Checked By: **K. B. Dela Cruz**      Certified by: **D. R. Santar**  
 Sr. Lab. Technician      Geotechnical Engineer      Manager



**BROOKHAVEN**  
 NATIONAL LABORATORY

**HOST LOAD TEST REPORT**

MANUFACTURER: \_\_\_\_\_      OR: \_\_\_\_\_

BLDG. # \_\_\_\_\_      EQUIPMENT # \_\_\_\_\_      CAPACITY: \_\_\_\_\_

**Notes:**

1. Load test prior to installation, at 120% of rated capacity, at three hoists or levels in which load sustaining joints have been modified, repaired or replaced. Test weights must be accurate to within 0.1% of approved values. Load test at 100% of rated capacity hoists with modified devices. Test the function of the modified device.
2. Qualified inspector must verify all steps as listed below.

**1. Perform the periodic inspection. Check with for proper operation.**

**2. HAND-OPERATED HOSTS ONLY.** Check brake mechanism for work placed or unbalanced loads, rope damage, slings, or stretch. Check hoist brakes, controls, or electrical power supply. Repair as needed.

**3. ELECTRIC AND AIR-POWERED HOSTS. Check:**

1. All functional operating mechanisms for replacement checking with proper operation.
2. Load switches or devices for proper operation.
3. Control mechanism of damage or excessive wear of load sprockets, other sprockets, and drums or sheaves.
4. Exposed evidence of wear on motor or load frame.
5. Electrical apparatus for signs of arcing or any deterioration of visible conductor contacts.
6. All connections of host components.

**4. Set load on for load test and inspection.** Where applicable, ensure that the load chain is tight.

**5. Perform load test using the required test weights (See Note 1) and appropriate slings.**

**6. Measure a length of the load chain under tension, measure a length of 10 links, if wire rope is used, then measure the diameter.**

**IF HOST IS EQUIPPED WITH A TROLLEY:**

1. Mount load on a trolley.
2. Rig test weight to load frame.
3. Perform load test using the required test weights (See Note 1) and appropriate slings. Measure weight during movement. Observe hoist and trolley. Observe performance of all load frame components.
4. Lower test weight to floor. Note performance of hoist during lowering operation. Remove weight.

