

LOUISIANA TECH UNIVERSITY

INVITATION TO BID ONLY



BIDDER MUST FILL IN COMPANY NAME AND COMPLETE ADDRESS (PRINTED OR TYPED)

PHONE:

FAX:

EMAIL:

BID SUBMISSION DEADLINE:

December 7, 2023 @ 2:00PM

BID NUMBER:

50012-562-24

DEPARTMENT

Engineering & Science

PRICE MUST BE FIRM FOR AT LEAST 30 DAYS FROM OPENING DATE

DELIVERY IN DAYS

TERMS

BIDDER AGREES TO COMPLY WITH ALL CONDITIONS BELOW AND ATTACHED TO THIS REQUEST.

Prices are to be complete and the FOB point to be Louisiana Tech University unless otherwise specified.

RETURN THIS FORM TO:

PURCHASING OFFICE
P.O. Box 3157
208 Keeny Circle, Rm. 408
Ruston, LA 71272

Phone: 318-257-4205
Fax: 318-257-3772

Company Quote #
if applicable

FAILURE TO SIGN WILL DISQUALIFY BID

Typed or Printed Name

Authorized Signature/Title

ITEM:	COMPLETE SPECIFICATIONS	QTY. & UNIT:	UNIT PRICE:	AMOUNT:
	<p>Louisiana Tech University's Engineering & Science Department is now accepting SEALED bids for the following:</p> <p>Universal Testing Machines(UTM) (Actuators)</p> <p>1 Refurbish 22-kip UTM</p> <p>2 Refurbish 55-kip UTM</p> <p>**PLEASE SEE THE ATTACHED BID SPECIFICATIONS**</p> <p>ALL BIDS MUST BE RETURNED TO THE LOUISIANA TECH PURCHASING OFFICE VIA MAIL OR IN PERSON. DO NOT FAX OR EMAIL.</p> <p>For questions or more information, please contact Dr. Shaurav Alam or Shafia Izhar at 318-257-2053 or 318-257-2357.</p>	<p>1</p> <p>1</p>		

IMPORTANT: If bidding other than requested brand and product number (or style), enclose sufficient literature to determine compliance with specifications. Failure to comply with this request may eliminate your bid from consideration. Any manufacturer's names, trade names, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references or not intended to be restrictive. Bids will be considered for any brand which meets or exceeds the quality of the specifications listed for any item.

Schedule of Items

Page No. 2
 Purchase Req. # 97-7640
 Bid No. 50012-542-24

Important: If bidding other than requested brand and product number (or style), please enclose sufficient literature to determine compliance with specification. Failure to comply with this request may eliminate your bid from consideration. Any manufacture's names, trade, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references are not intended to be restrictive. Bids will be considered for any brand, which meets or exceeds the quality of the specifications listed for any items.

ITEM	Description	QUANTITY	UNIT PRICE	AMOUNT
01	Refurbish 22-kip UTM as per bid specifications.			
02	<p>Refurbish 55-kip UTM as per bid specifications.</p> <p>01. The existing pump from MTS Systems needs to be replaced with a new pump. The following abilities must be ensured –</p> <ul style="list-style-type: none"> a. To conduct a fatigue test for a maximum of 10 days at a stretch on the 55-kip frame as well as a static test. b. To conduct a fatigue test for a maximum of 10 days at a stretch on the 22-kip frame as well as a static test. c. Having the ability to conduct a fatigue test on one frame while a static test on the other is required. d. Hydraulic flow capacity of 11gpm or more at 3000psi e. Integrated composite skid design f. Variable volume design energy efficient pump is required. g. Water Cooled with internal heat exchanger(s). h. 3 Phase/480V/60Hz as the existing power outlet. i. Integrated composite base with vibration resistance setup. j. Noise level 65 dB(A) or less. k. Remote-mounted water shut valve. l. Integrated PLC with display and control panel to allow remote monitoring of the pump. m. High-pressure filter. n. Appropriate hydraulic hose sets to connect the two existing test frames to the hydraulic power unit. <p>02. Replace all the old hoses with new ones that fit the pump and the proposed setup best.</p> <p>03. Provide a new control system with recent software to operate the 22-kip and 55-kip actuators individually.</p> <p>04. The controller must be capable of independently controlling both test frames at one time.</p> <p>05. The controller must be capable of load/stroke/strain control and data acquisition.</p> <p>06. The controller must be capable of turning the hydraulic pump on/off remotely.</p> <p>07. All cables must be included to connect the controller, hydraulic pump, and two test frames.</p> <p>08. System automation software must be included.</p> <p>09. If the existing load cells (55-kip and 22-kip) and the related transducer are good, calibrate them or replace them with new ones.</p> <p>10. Service</p> <ul style="list-style-type: none"> a. Onsite installation/training/transducer calibrations (load cell, LVDT for two systems) of controller and hydraulic power unit (Pump). b. Provide the names and detailed contact information of at least three different third-party calibration vendors for future equipment calibration after the warranty expires. c. Three years of service and software warranty, with a minimum of one (1) year of software technical support. <p>Some Images of the Existing Setups are given below for</p>			

INSURANCE REQUIREMENTS FOR CONTRACTORS

The Contractor shall purchase and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, its agents, representatives, employees or subcontractors.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE

Workers Compensation insurance shall be in compliance with the Workers Compensation law of the State of the Contractor's headquarters. Employers Liability is included with a minimum limit of \$1,000,000 per accident/per disease/per employee. If work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act, or other maritime law coverage shall be included. A.M. Best's insurance company rating requirement may be waived for workers compensation coverage only.

Commercial General Liability insurance, including Personal and Advertising Injury Liability and Products and Completed Operations, shall have a minimum limit per occurrence of \$1,000,000 and a minimum general annual aggregate of \$2,000,000. The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.

Automobile Liability Insurance shall have a minimum combined single limit per accident of \$1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non owned automobiles.

B. DEDUCTIBLES AND SELF INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and accepted by the Agency. The Contractor shall be responsible for all deductibles and self-insured retentions.

C. OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

1. Commercial General Liability and Automobile Liability Coverages

The Agency, its officers, agents, employees and volunteers shall be named as an additional insured as regards negligence by the contractor. ISO Forms CG 20 10 (for ongoing work) AND CG 20 37 (for completed work) (current forms approved for use in Louisiana), or equivalents, are to be used when applicable. The coverage shall contain no special limitations on the scope of protection afforded to the Agency.

The Contractor's insurance shall be primary as respects the Agency, its officers, agents, employees and volunteers for any and all losses that occur under the contract. Any insurance or self-insurance maintained by the Agency shall be excess and non-contributory of the Contractor's insurance.

2. Workers Compensation and Employers Liability Coverage

To the fullest extent allowed by law, the insurer shall agree to waive all rights of subrogation against the Agency, its officers, agents, employees and volunteers for losses arising from work performed by the Contractor for the Agency.

3. All Coverages

All policies must be endorsed to require 30 days written notice of cancellation to the Agency. Ten-day written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's policy. In addition, Contractor is required to notify Agency of policy cancellations or reductions in limits.

The acceptance of the completed work, payment, failure of the Agency to require proof of compliance, or Agency's acceptance of a non-compliant certificate of insurance shall not release the Contractor from the obligations of the insurance requirements or indemnification agreement.

The insurance companies issuing the policies shall have no recourse against the Agency for payment of premiums or for assessments under any form of the policies.

Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Agency, its officers, agents, employees and volunteers.

D. ACCEPTABILITY OF INSURERS

All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with an A.M. Best's rating of A-:VI or higher. This rating requirement may be waived for workers compensation coverage only.

If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Contractor shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another Certificate of Insurance within 30 days.

E. VERIFICATION OF COVERAGE

Contractor shall furnish the Agency with Certificates of Insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Certificates are to be received and approved by the Agency before work commences and upon any contract renewal or insurance policy renewal thereafter.

The Certificate Holder Shall be listed as follows:

State of Louisiana
Agency Name, Its Officers, Agents, Employees and Volunteers
Address, City, State, Zip
Project or Contract #:

In addition to the Certificates, Contractor shall submit the declarations page and the cancellation provision for each insurance policy. The Agency reserves the right to request complete certified copies of all required insurance policies at any time.

Upon failure of the Contractor to furnish, deliver and maintain required insurance, this contract, at the election of the Agency, may be suspended, discontinued or terminated. Failure of the Contractor to purchase and/or maintain any required insurance shall not relieve the Contractor from any liability or indemnification under the contract.

F. SUBCONTRACTORS

Contractor shall include all subcontractors as insureds under its policies OR shall be responsible for verifying and maintaining the Certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Agency reserves the right to request copies of subcontractor's Certificates at any time.

G. WORKERS COMPENSATION INDEMNITY

In the event Contractor is not required to provide or elects not to provide workers compensation coverage, the parties hereby agree that Contractor, its owners, agents and employees will have no cause of action against, and will not assert a claim against, the State of Louisiana, its departments, agencies, agents and employees as an employer, whether pursuant to the Louisiana Workers Compensation Act or otherwise, under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents and employees shall in no circumstance be, or considered as, the employer or statutory employer of Contractor, its owners, agents and employees. The parties further agree that Contractor is a wholly independent contractor and is exclusively responsible for its employees, owners, and agents. Contractor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

H. INDEMNIFICATION/HOLD HARMLESS AGREEMENT

Contractor agrees to protect, defend, indemnify, save, and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees, and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of Contractor, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by Contractor as a result of any claims, demands, suits or causes of action, except those claims, demands, suits, or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits, or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent. The State of Louisiana may, but is not required to, consult with the Contractor in the defense of claims, but this shall not affect the Contractor's responsibility for the handling of and expenses for all claims.

INDEMNIFICATION/HOLD HARMLESS AGREEMENT

_____ agrees to protect, defend, indemnify, save, and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees, and volunteers, from and against any and all claims, damages, expenses, and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of _____, its agents, servants, and employees, or any and all costs, expenses and/or attorney fees incurred by _____ as a result of any claims, demands, suits or causes of action, except those claims, demands, suits, or causes of action arising out of the negligence of LOUISIANA TECH UNIVERSITY, its officers, agents, servants, employees and volunteers.

_____ agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits, or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent. The State of Louisiana may, but is not required to, consult with the Contractor in the defense of claims, but this shall not affect the Contractor's responsibility for the handling of and expenses for all claims.

Contractor Name

Signature

Date

Title

Address:

Telephone Number:

THIS IS A REQUEST FOR A SEALED BID INSTRUCTIONS TO BIDDERS

1. Read the entire bid, including all terms and conditions and specifications.
2. Louisiana Tech University is not liable for any cost incurred by the bidders prior to execution of a contract and the issuance of a purchase order. Any bidder who ships or otherwise expends time or money prior to award as defined does so at the bidder's own risk.
3. All bid prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit prices should be initialed by the bidder. If the bidder needs to submit a change, question, exception, or modification to any aspect of the bid specifications, terms, conditions, or bidder instructions, must do so in written form submitted to the Louisiana Tech University Purchasing Office prior to the bid opening date. All responses and/or addenda will be officially submitted by the Louisiana Tech University Purchasing Office 72 business hours before the bid opening date. Business hours is defined as University operating hours while the University is open. Unless received as specified above, all bid information will remain unchanged.
4. This bid is to be manually signed in ink.
5. Bid prices shall include all delivery charges paid by the vendor, F.O.B. Destination, unless otherwise provided in the solicitation. Bids requiring deposits, "payment in advance" or "C.O.D" may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.
6. Amount of bid bond required: every bid submitted for in excess of fifty thousand dollars shall be accompanied by a bid bond guaranteed by a surety company qualified to do business in the state of Louisiana. The bid bond shall be for five percent of the official bid amount.
7. To assure consideration of your bid, all bids and addenda should be returned in an envelope or package clearly marked with the bid opening date and the bid number; or submitted in the special envelope, if furnished for that purpose.
8. Bids submitted are subject to provisions of the laws of the State of Louisiana including but not limited to L.R.S. 39:1551-1736; Purchasing rules and regulations; executive orders; standard terms and conditions; special conditions; and specifications listed in this solicitation.
9. Important: By signing the bid, the bidder certifies compliance with all instructions to bidders, terms conditions and specifications, and further certifies that this bid is made without collusion or fraud. This bid is to be manually signed in ink by a person authorized to bind the vendor (see no. 27). All bid information shall be in ink or typewritten.
10. Address all inquiries and correspondence to the Louisiana Tech University Office of Purchasing at the address and telephone number listed herein.
11. Bid forms: All written bids, unless otherwise provided for, must be submitted on, and in accordance with, forms provided, and properly signed (see no. 27). Bids submitted in the following manner will not be accepted:
 - A. Bid contains no signature indicating intent to be bound;
 - B. Bid sent by facsimile equipment;
 - C. Bid filled out in pencil; and
 - D. Bid not submitted on the designated bid forms.
12. Bids must be received at the address specified in the solicitation prior to bid opening time in order to be considered.
13. Standards of quality – Any product or service bid shall conform to all applicable federal, state, and local laws and regulations, and the specifications contained in the solicitation. If bidding other than the requested brand or product number (or style), enclose sufficient literature to determine compliance with specifications. Failure to comply with this request may eliminate your bid from consideration. Unless otherwise specified in the solicitation document, any manufacturer's name,

trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition. Bidder must specify the brand and model name of the product offered in the bid. Bids not specifying brand and model number shall be considered as offering the exact product specified in the solicitation. See bid document for full requirements.

14. New Products: Unless specifically called for in the solicitation documents, all products for purchase must be new, never previously used, and the current model and/or packaging. No remanufactured, demonstrator, used or irregular product will be considered for purchase unless otherwise specified in the solicitation documents. The manufacturer's standard warranty will apply unless otherwise stated in the solicitation.
15. Louisiana Tech University reserves the right to award items separately, grouped or on an all-or-none basis and to reject any or all bids and waive any informalities.
16. This agreement is non-exclusive and shall not in any way preclude Louisiana Tech University from entering into similar agreements and/or arrangements with other vendors or from acquiring similar, equal, or like goods and/or services from other entities or sources.
17. Bid opening: Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Louisiana Tech University Purchasing Office during normal working hours. Written bid tabulations will not be furnished prior to 72 hours.
18. Prices: Unless otherwise specified by Louisiana Tech University in the solicitation, bid prices must be complete, including transportation prepaid by bidder to destination and firm for acceptance for a minimum of 30 days. If accepted, prices must be firm for the contractual period.
19. Taxes: Vendor is responsible for including all applicable taxes, fees, and tariffs in the bid price. Louisiana Tech University is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly assessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc.
20. Contract renewals: In the event that bid specifications include a renewal option, a term contract may be extended for two additional 12-month periods at the same prices, terms, and conditions upon mutual agreement of the State of Louisiana agency and the contractor. In such cases, the total contract term cannot exceed 36 months.
21. Contract cancellation: Louisiana Tech University has the right to cancel any contract, in accordance with purchasing rules and regulations, including but not limited to: (1) failure to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition; (3) misrepresentation by the vendor; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the University; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract. Louisiana Tech University has the right to cancel any contract for convenience at any time by giving thirty (30) days written notice to the vendor. In such cases, the vendor shall be entitled to payment for complaint deliverables in progress.
22. Applicable law: All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.
23. In accordance with Executive Order Number JBE 2018-15, effective May 22, 2018, for any contract for \$100,000 or more and for any contractor with five or more employees, Contractor, or any Subcontractor, shall certify it is not engaging in a boycott of Israel, and shall, for the duration of this contract, refrain from a boycott of Israel. The State reserves the right to terminate this contract if the Contractor, or any Subcontractor, engages in a boycott of Israel during the term of the contract.

24. The bidder agrees to abide by the requirements of the following as applicable: Title VI of the Civil Rights Act of 1964 and Title VII of the Civil Rights Act of 1964, as amended by the Equal Employment Opportunity Act of 1972, Federal Executive Order 11246 as amended, the Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, the Fair Housing Act of 1968 as amended, and bidder agrees to abide by the requirements of the Americans with Disabilities Act of 1990. Bidder agrees not to discriminate in its employment practices, and will render services under this contract without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status, political affiliation, disability, or age in any matter relating to employment. Any act of discrimination committed by bidder, or failure to comply with these statutory obligations when applicable shall be grounds for termination of any contract entered into as a result of this solicitation.
25. Special accommodation: Any "qualified individual with a disability" as defined by the Americans with Disabilities Act, who has submitted a bid and desires to attend the bid opening, must notify the Louisiana Tech University Office of Purchasing in writing not later than seven days prior to the bid opening date of their need for special accommodations. If the request cannot be reasonably provided, the individual will be informed prior to the bid opening.
26. Indemnity: Contractor agrees, upon receipt of written notice of a claim or action, to defend the claim or action, or take other appropriate measure, to indemnify, and hold harmless, the state, its officers, its agents and its employees from and against all claims and actions for bodily injury, death or property damages caused by the fault of the contractor, its officers, its agents, or its employees. Contractor is obligated to indemnify only to the extent of the fault of the contractor, its officers, its agents, or its employees. However, the contractor shall have no obligation as set forth above with respect to any claim or action from bodily injury, death or property damages arising out of the fault of the state, its officers, its agents or its employees.
27. Signature authority: Attention: R.S. 39:1594(c) (4) requires evidence of authority to sign and submit bids to the State of Louisiana. You must indicate which of the following apply to the signer of this bid.

Please circle one:

- 1) The signer of this bid is either a corporate officer who is listed on the most current annual report on file with the Secretary of State or a member of a partnership or partnership in commendam as reflected in the most current partnership records on file with the Secretary of State. A copy of the annual report or partnership must be submitted to this office before contract award.
 - 2) The signer of this bid is a representative of the bidder authorized to submit this bid as evidenced by documents such as Corporate Resolution, Certification as to Corporate Principal, etc. If this applies, a copy of the resolution, certification, or other supportive documents must be attached hereto.
 - 3) The bidder has filed with the Secretary of State an affidavit or resolution or other acknowledged/authentic document indicating that the signer is authorized to submit bids for public contracts. A copy of the applicable document must be submitted to this office before contract award.
28. In accordance with the provisions of R.S. 39:2182, in awarding contracts after August 15, 2010, any public entity is authorized to reject a proposal or bid form, or not award the contract to, a business in which any individual with an ownership interest of five percent or more, has been convicted of, or has entered a plea of guilty or nolo contendere to any state felony or equivalent federal felony crime committed in the solicitation or execution of a contract or bid awarded under the laws governing public contracts under the provisions of chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950; professional, personal, consulting, and social services procurement under the provisions of Chapter 16 of Title 39, or the Louisiana Procurement Code under the provisions of Chapter 17 of Title 39.
29. It is agreed that the Legislative Auditor of the State of Louisiana and/or the Office of the Governor, Division of Administration auditors shall have the option of auditing all accounts which relate to this contract.
30. The continuation of this contract is contingent upon the appropriation of funds to fulfill the requirements of the contract by the legislature. If the legislature fails to appropriate sufficient monies to provide for the continuation of the contract, or if

such appropriation is reduced by the veto of the Governor or by any means provided in the Appropriations Act to prevent the total appropriation for the year from exceeding revenues for that year, or for any other lawful purpose, and the effect of such reduction is to provide insufficient monies for the continuation of the contract.

31. Whenever a public entity enters in to a contract in excess of five-thousand dollars (\$5,000) for the construction, alteration, or repair of any Public Works, the official representative of the public entity shall reduce the contract to writing and have it signed by the parties. When an emergency as provided in R.S. 38:2212(D) is deemed to exist for the construction, alteration, or repair of any Public Works and the contract for such emergency work is less than fifty-thousand dollars (\$50,000), there shall be no requirement to reduce the contract to writing (R.S. 38:2241).
32. For each contract in excess of twenty-five thousand dollars (\$25,000) per project, the public entity shall require of the contractor a bond with good, solvent, and sufficient surety in a sum of not less than fifty percent (50%) of the contract price for the payment by the contractor or subcontractor to claimants as defined in R.S. 38:2242. The bond furnished shall be a statutory bond and no modification, omissions, additions in or to the terms of the contract, in the plans or specifications, or in the manner and mode of payment shall in any manner diminish, enlarge, or otherwise modify the obligations of the bond. The bond shall be executed by the contractor with surety or sureties approved by the public entity and shall be recorded with the contract in the office of the recorder of mortgages in the parish where the work is to be done not later than thirty days after the work has begun.
33. For construction projects falling within classifications of 37:2150 the bidder must be fully qualified under any state or local licensing law for contractors in effect at the time and at the location of the work before submitting his bid. In the state of Louisiana, revised statutes 37:2150, et seq. Will be considered, if applicable. The contractor shall be responsible for determining that all of his sub-bidders or prospective subcontractors are duly licensed in accordance with law. On any bid in excess of fifty thousand dollars (\$50,000), the Contractor shall certify that he is licensed under R.S. 37:2150-2163 and show his license number on the bid. The bid envelope shall be identified on the outside with the Name of the Project, Bid Number, Bid Time, the Name of the Bidder and the License Number of the Bidder.

TO: Louisiana Veteran-Owned and Service-Connected Disabled Veteran-Owned Small Entrepreneurships

RE: Veteran Initiative – Act 167 of the 2009 Legislative Session

➤ **ARE YOU ELIGIBLE FOR PARTICIPATION?**

- Are you a veteran-owned small entrepreneurship or a service-connected disabled veteran-owned small entrepreneurship in accordance with documentation from the United States Department of Veteran Affairs or the Louisiana Department of Veteran Affairs?
- Are you a Louisiana domiciled business?
- Do you have less than fifty (50) full-time employees?
- Are your annual gross revenue receipts \$5,000,000 or less (for construction) or \$3,000,000 for (non-construction) for each of the previous three (3) tax years?

If your answers are yes, your company may be eligible for participation in the Louisiana Veteran-Owned and Service-Connected Disabled Veteran-Owned Small Entrepreneurship Program, also known as the Veteran Initiative.

➤ **WHAT IS THE VETERAN INITIATIVE?**

The Veteran Initiative, created by LRS 39:2171 through 2179 and LRS 51:931, provides additional opportunities for certified Louisiana-based small entrepreneurships to participate in contracting and procurement with the State. Key features of the programs are:

- This is a goal-oriented program
- It is race and gender neutral
- Participation is restricted to Louisiana-based certified veteran-owned and service-connected disabled veteran-owned small entrepreneurships

The rules governing the implementation of the program are located at <http://www.doa.louisiana.gov/osp/se/se.htm>.

➤ **WHY IS CERTIFICATION IMPORTANT?**

Certification is required for the participation in the Veteran Initiative. Under this program, you may be given increased opportunity to participate in Louisiana state contracts. Certain contracts may be awarded to your business without competition. And, certification is one of the methods that the State of Louisiana will utilize as a basis for benchmarking for annualized procurement and contracting goals.

➤ **WHAT AGENCY IS RESPONSIBLE FOR CERTIFICATION?**

The Louisiana Department of Economic Development (LED) is responsible for certifying Small Entrepreneurships for participation in the program. The (LED) Small Business Certification System may be accessed by <https://smallbiz.louisianaeconomicdevelopment.com/Account/Login>. For additional information regarding certification, please contact the LED at 800.450.8115 or 225.342.3000.

➤ **WHAT IS THE ROLE OF THE DEPARTMENT OF VETERANS AFFAIRS?**

The Louisiana Department of Veterans Affairs is responsible for disseminating information on this program and other veterans' benefits to Louisiana veterans. Information on this program and other veterans' benefits can be accessed at www.vetaffairs.al.gov.

The State of Louisiana is committed to the success of this program and encourages your participation.

TO BE BID

Mechanical Engineering, Civil
Engineering, and Construction
Engineering Technology

Dr. Shaurav Alam
(Shafia Izhar)

257-2053
257-2357

The Department of Mechanical Engineering, Civil Engineering, and Construction Engineering Technology at Louisiana Tech University is seeking bids to refurbish the universal testing machines (UTM) located in BH115, as mentioned below in Items 1 and 2. The project is a Turn-Key. Louisiana Tech University encourages the potential bidder to visit the machines and check on their feasibility.

The supplies are really several items put together to operate both 22-kip and 55-kip actuator as mentioned in the specification. The equipment listed attached must be compatible with each other and must fit within the context of the operating of the 22-kip and 55-kip universal testing machines.

Please pay attention to any notes in the list attached, as they either help with compatibility and/or map to predefined activities with part constraints.

The Department of Mechanical Engineering, Civil Engineering, and Construction Engineering Technology at Louisiana Tech University is seeking bids to refurbish the universal testing machines (UTM) located in BH115, as mentioned below in Items 1 and 2. The project is a Turn-Key. Louisiana Tech University encourages the potential bidder to visit the machines and check on their feasibility.

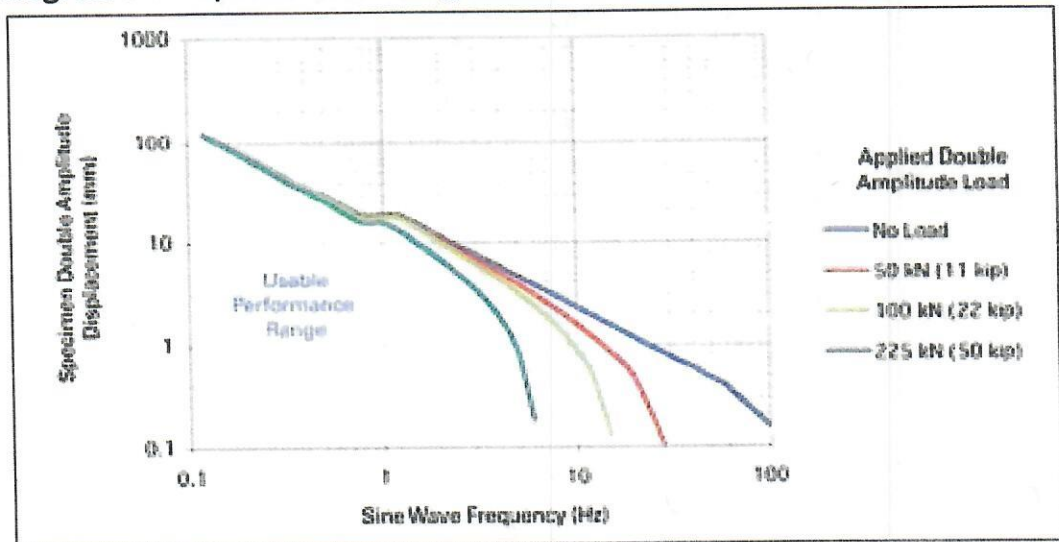
Item 1: Refurbish 22-kip UTM as per bid specifications.

Item 2: Refurbish 55-kip UTM as per bid specifications.

Job description:

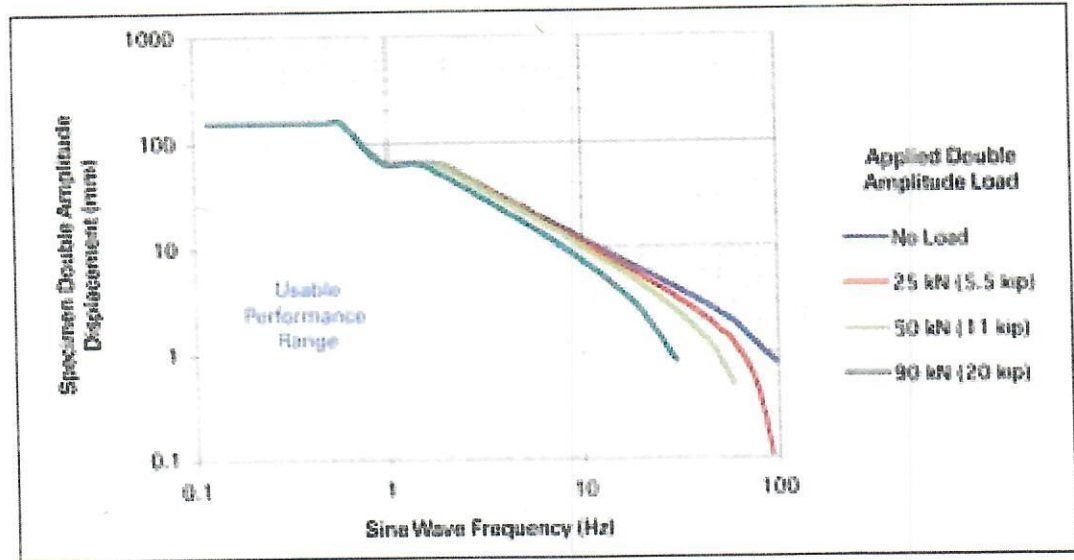
01. The existing pump from MTS Systems needs to be replaced with a new pump. The following abilities must be ensured –

- a. To conduct a fatigue test for a maximum of 10 days at a stretch on the 55-kip frame as well as a static test.
- b. To conduct a fatigue test for a maximum of 10 days at a stretch on the 22-kip frame as well as a static test.
- c. Having the ability to conduct a fatigue test on one frame while a static test on the other is required.
- d. Hydraulic flow capacity of 11gpm or more at 3000psi
- e. Integrated composite skid design



ACTUATOR STATIC FORCE: 250 kN (55 kip) LOAD FRAME MODEL: 370 25
 ACTUATOR DYNAMIC STROKE: 150 mm (6 in) SERVOVALVE(S) FLOW RATING: 30 lpm (10 gpm)

Figure 01: Dynamic capabilities – 55-kip Frame



ACTUATOR STATIC FORCE: 100 kN (22 kip) LOAD FRAME MODEL: 37010
 ACTUATOR DYNAMIC STROKE: 100 mm (4 in) SERVOVALVE(S) FLOW RATING: 75 lpm (20 gpm)

Figure 02: Dynamic capabilities – 22-kip Frame

- f. Variable volume design energy efficient pump is required.
 - g. Water Cooled with internal heat exchanger(s).
 - h. 3 Phase/480V/60Hz as the existing power outlet.
 - i. Integrated composite base with vibration resistance setup.
 - j. Noise level 65 dB(A) or less.
 - k. Remote-mounted water shut valve.
 - l. Integrated PLC with display and control panel to allow remote monitoring of the pump.
 - m. High-pressure filter.
 - n. Appropriate hydraulic hose sets to connect the two existing test frames to the hydraulic power unit.
02. Replace all the old hoses with new ones that fit the pump and the proposed setup best.
03. Provide a new control system with recent software to operate the 22-kip and 55-kip actuators individually.
04. The controller must be capable of independently controlling both test frames at one time.
05. The controller must be capable of load/stroke/strain control and data acquisition.

06.The controller must be capable of turning the hydraulic pump on/off remotely.

07.All cables must be included to connect the controller, hydraulic pump, and two test frames.

08.System automation software must be included.

09.If the existing load cells (55-kip and 22-kip) and the related transducer are good, calibrate them or replace them with new ones.

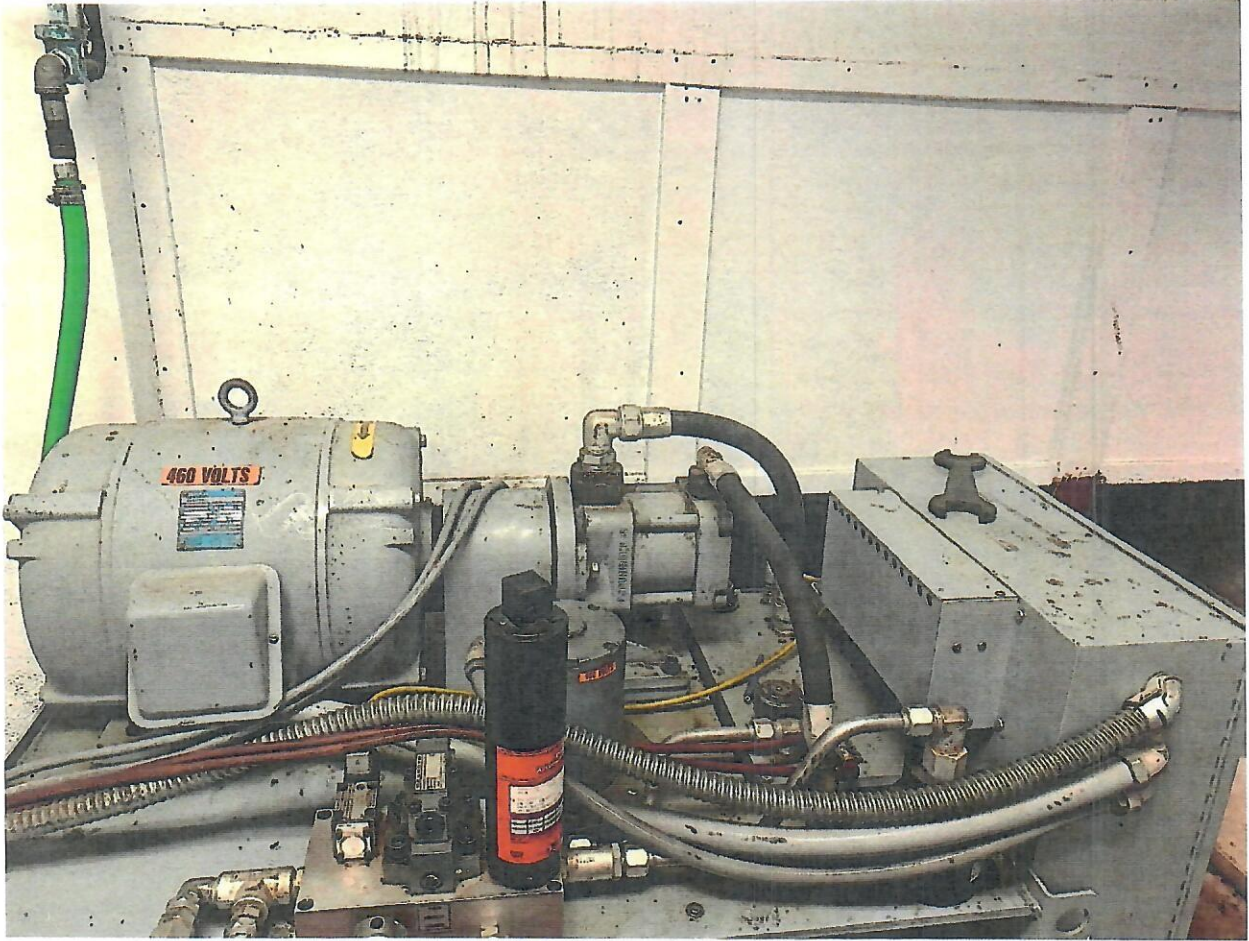
10. Service

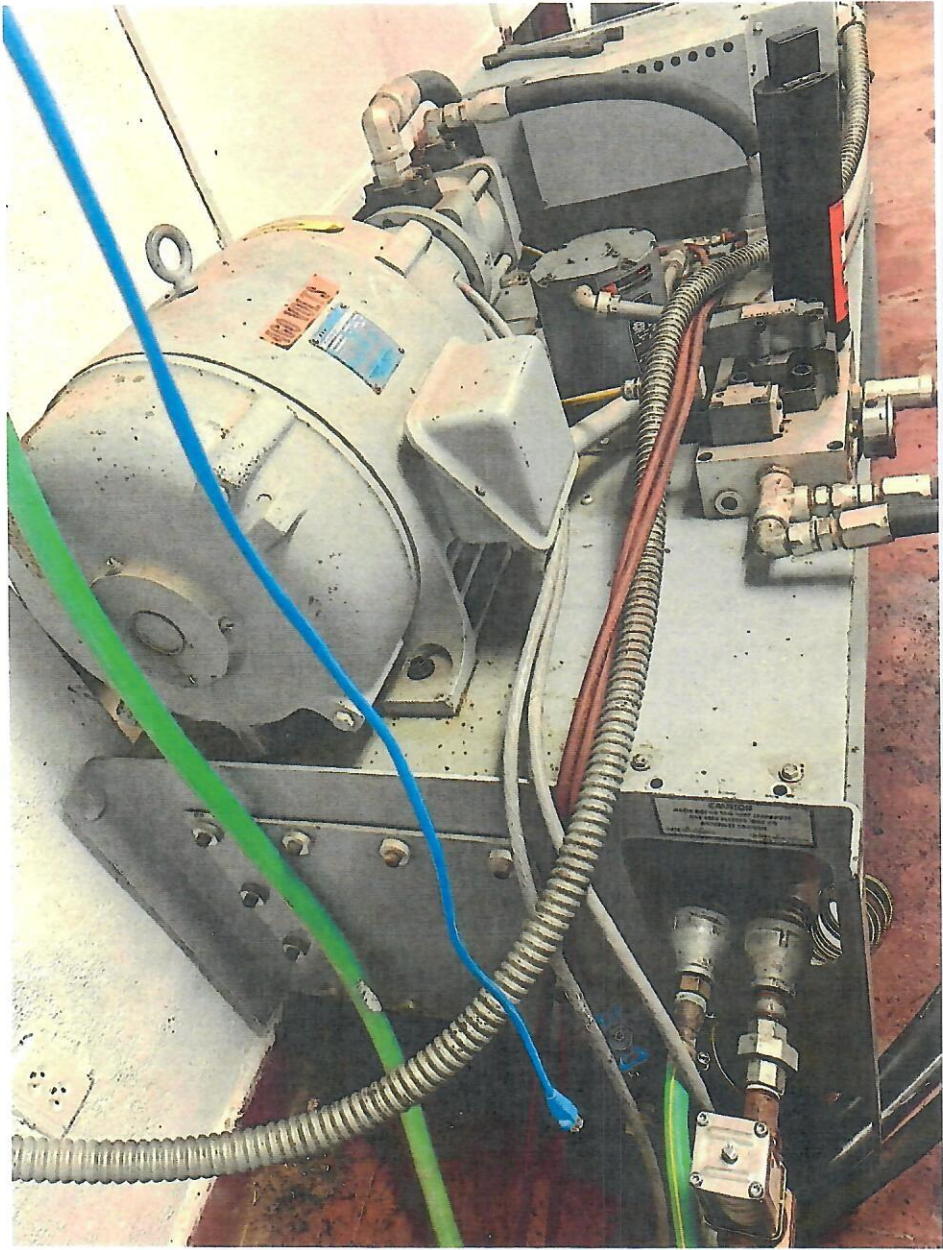
- a. Onsite installation/training/transducer calibrations (load cell, LVDT for two systems) of controller and hydraulic power unit (Pump).
- b. Provide the names and detailed contact information of at least three different third-party calibration vendors for future equipment calibration after the warranty expires.
- c. Three years of service and software warranty, with a minimum of one (1) year of software technical support.

Some Images of the Existing Setups are given below for clarification.

Existing Pump:









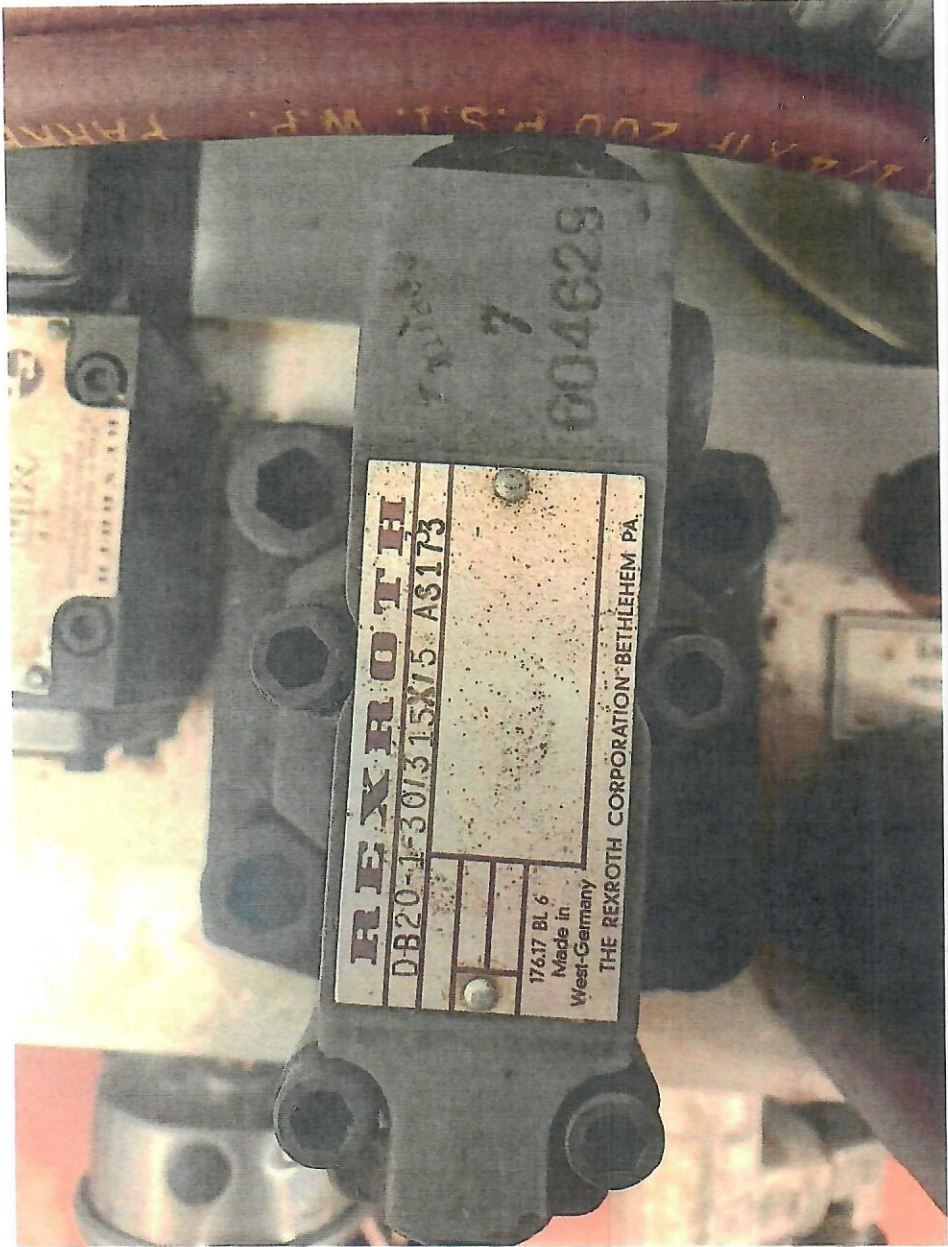


REKROTH
Made in West-Germany
THE REKROTH CORPORATION
BETHLEHEM, PA.



4WE6D51/G24NZ4

RN 17691 B16



REXROTH

DB20-1-30/31.5X/5 AS173

176.37 BL 6
Made in
West-Germany

THE REXROTH CORPORATION BETHLEHEM PA.


7

004629

1 1/2 X 1/2 200 P.S.I. W.P. PARKER

460 VOLTS

W. H. BRADY CO. STOCK NO. 44214

GOULD 

Century Motor

PART	6-320315-01	FR	324TS	TYPE	SC		
H.P.	40	CODE	G	HERTZ	60	PH	3
RPM	1765	VOLTS	230/460				
		AMPS	9.5/20				
[Faded technical specifications and diagrams]							

HYDRAULIC SUPPLY

MODEL 506.20 S/N 363

ASSY. NO. 36033-02

FLOW: 20 GPM 76 L/M

CONTINUOUS OPERATING PRESSURE
3000 PSI 207 BAR

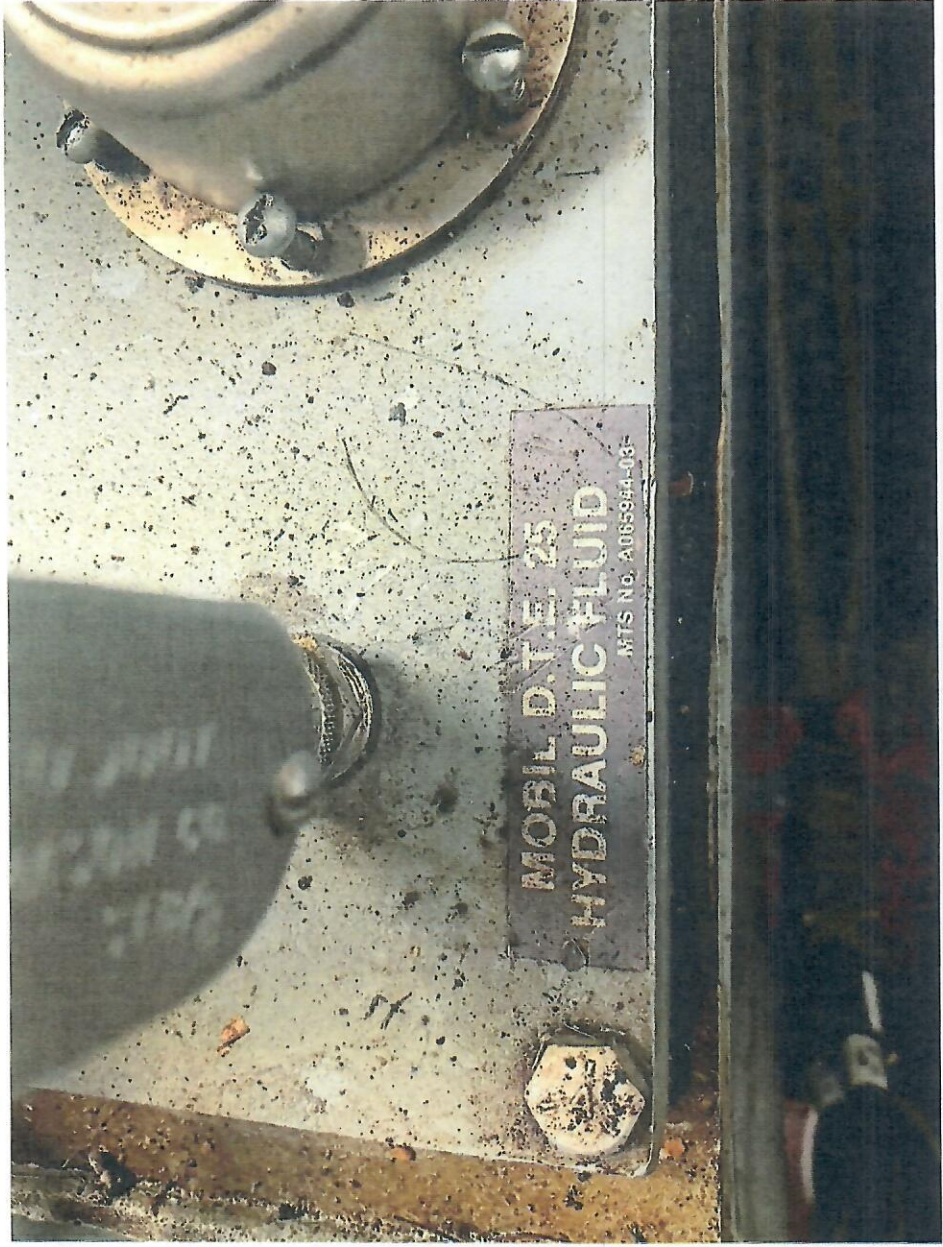
INTERMITTENT PEAK PRESSURE
PSI BAR

TESTED BY RAA DATE 8/80

WARNING

IMPROPER MODIFICATION OR
OPERATION AT PRESSURES
GREATER THAN THOSE LISTED
ABOVE IS DANGEROUS. SEE
INSTRUCTION MANUAL BEFORE
OPERATING.

MTS MTS SYSTEMS CORPORATION
MINNEAPOLIS, MINNESOTA 55425



111 Piston Accumulator

111 (R/F) 3000 PSI 21.0 MPa
SER. NO. 1 P1. 475 CC

NO. 111.110-03
S/N 11145 P/N 364140-03
SER. NO. 111.114620-01
R/F: RATED FATIGUE PRESS. CAT. 2103

DATE	DO	MPa	PSI

DANGER: NITROGEN UNDER PRESSURE
DO NOT TEST OR DISASSEMBLE WITHOUT
APPROPRIATE INSTRUCTIONS

MTS
MTS Systems Corp. 1000
11th St. North
Farmington, CT 06032
Tel: 860-670-8300
Fax: 860-670-8301
www.mts.com

55-Kip Capacity Frame with Controller

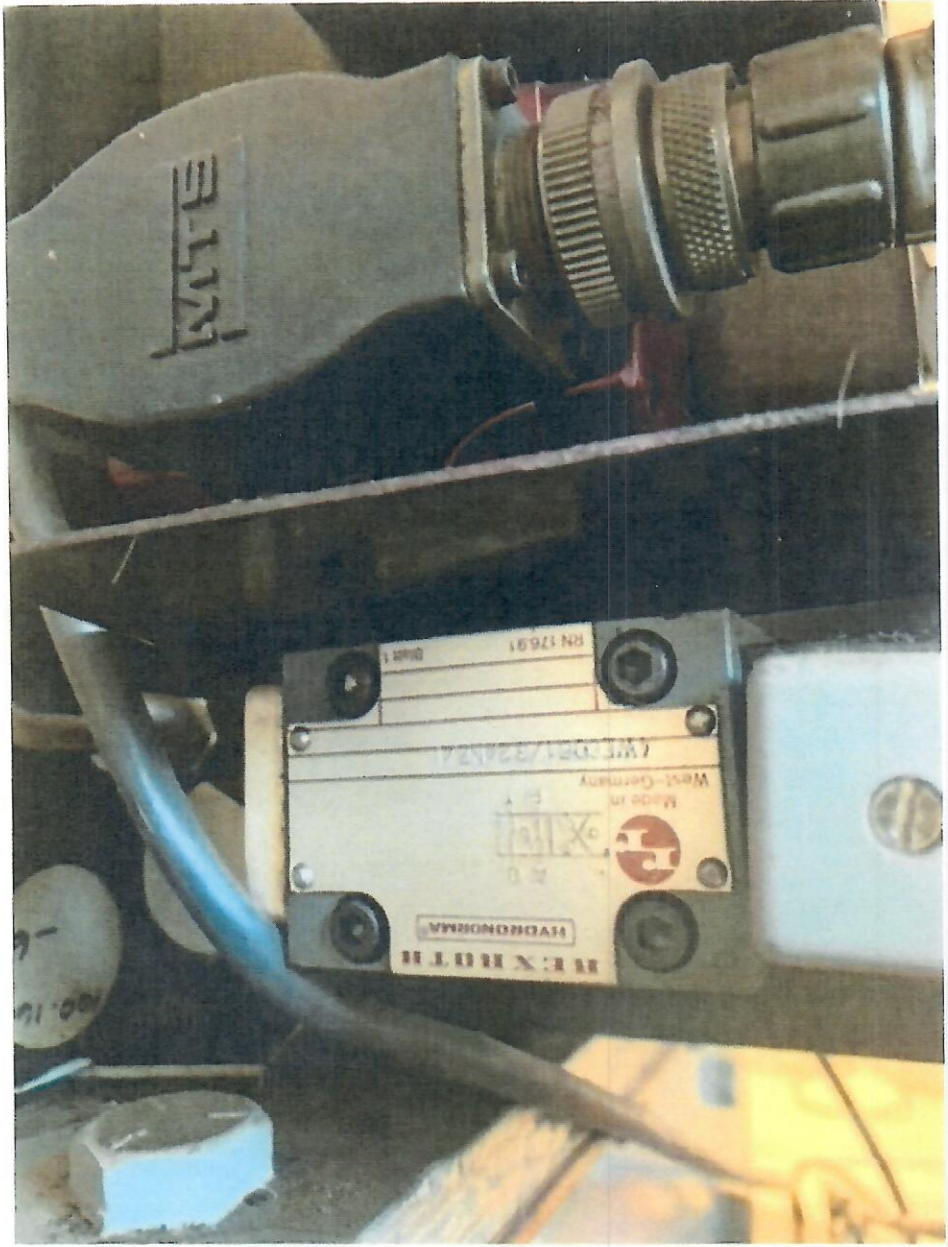


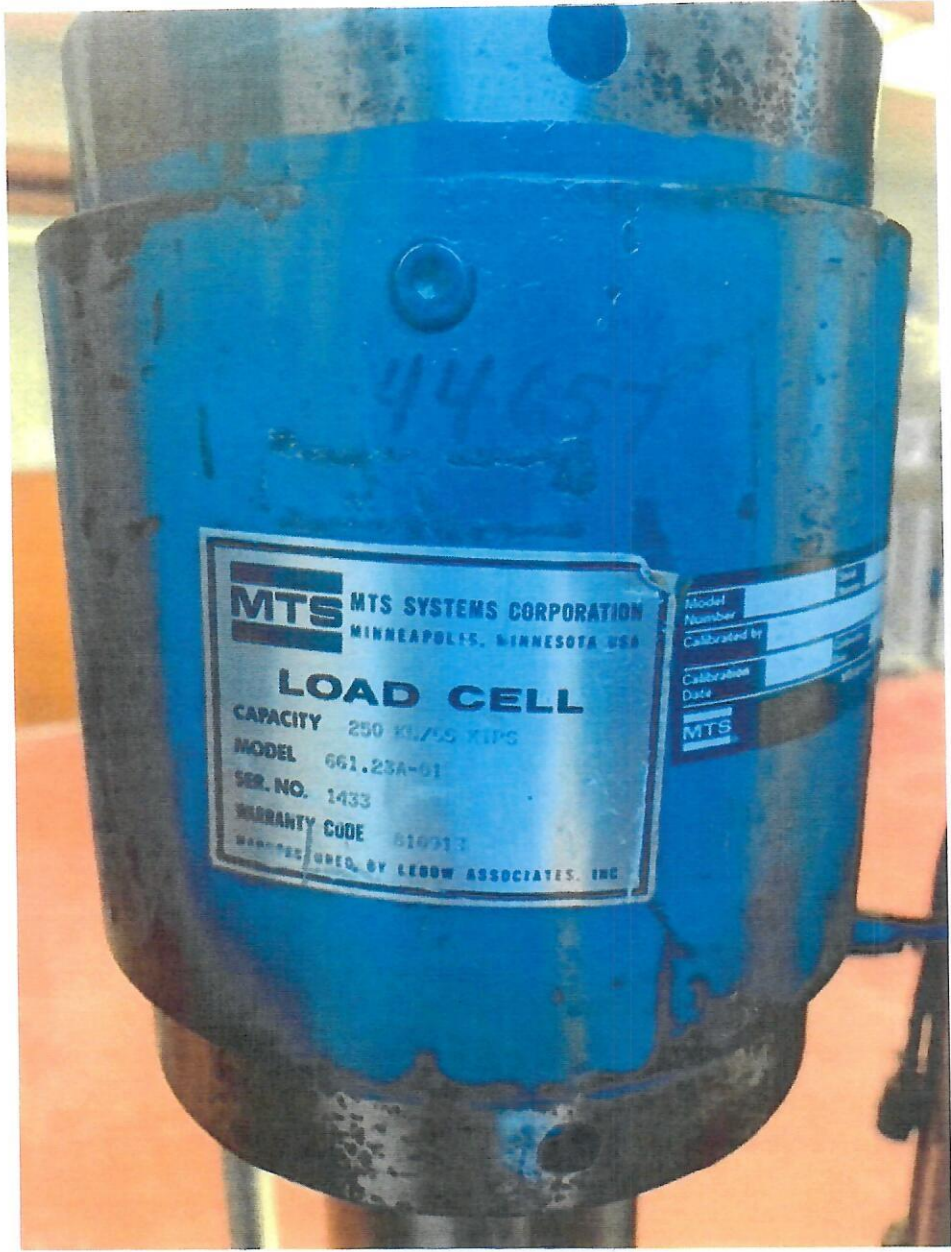










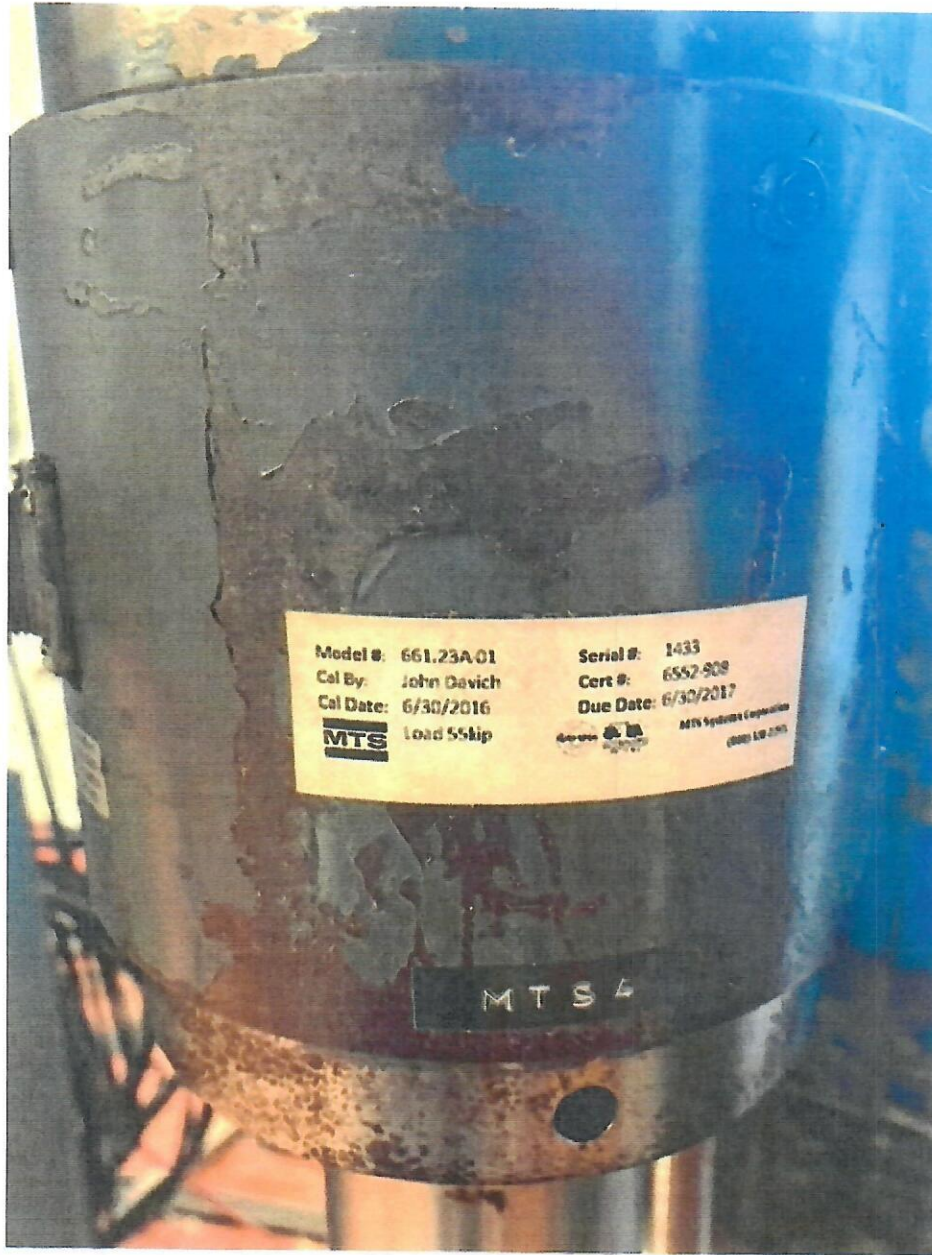


MTS MTS SYSTEMS CORPORATION
MINNEAPOLIS, MINNESOTA USA

LOAD CELL

CAPACITY 250 KILOGRAMS
MODEL 661.23A-01
SER. NO. 1433
WARRANTY CODE 616913
MADE IN U.S.A. BY LEGOW ASSOCIATES, INC

Model Number
Calibrated by
Calibration Date
MTS



Model #: 661.23A01 Serial #: 1433
Cal By: John Davich Cert #: 6552-908
Cal Date: 6/30/2016 Due Date: 6/30/2017
Load Slip MTS Systems Corporation
MTS (800) 541-2853

MTS 4



SIG WHITE
EXC BLACK
SIG GREEN
EXC RED

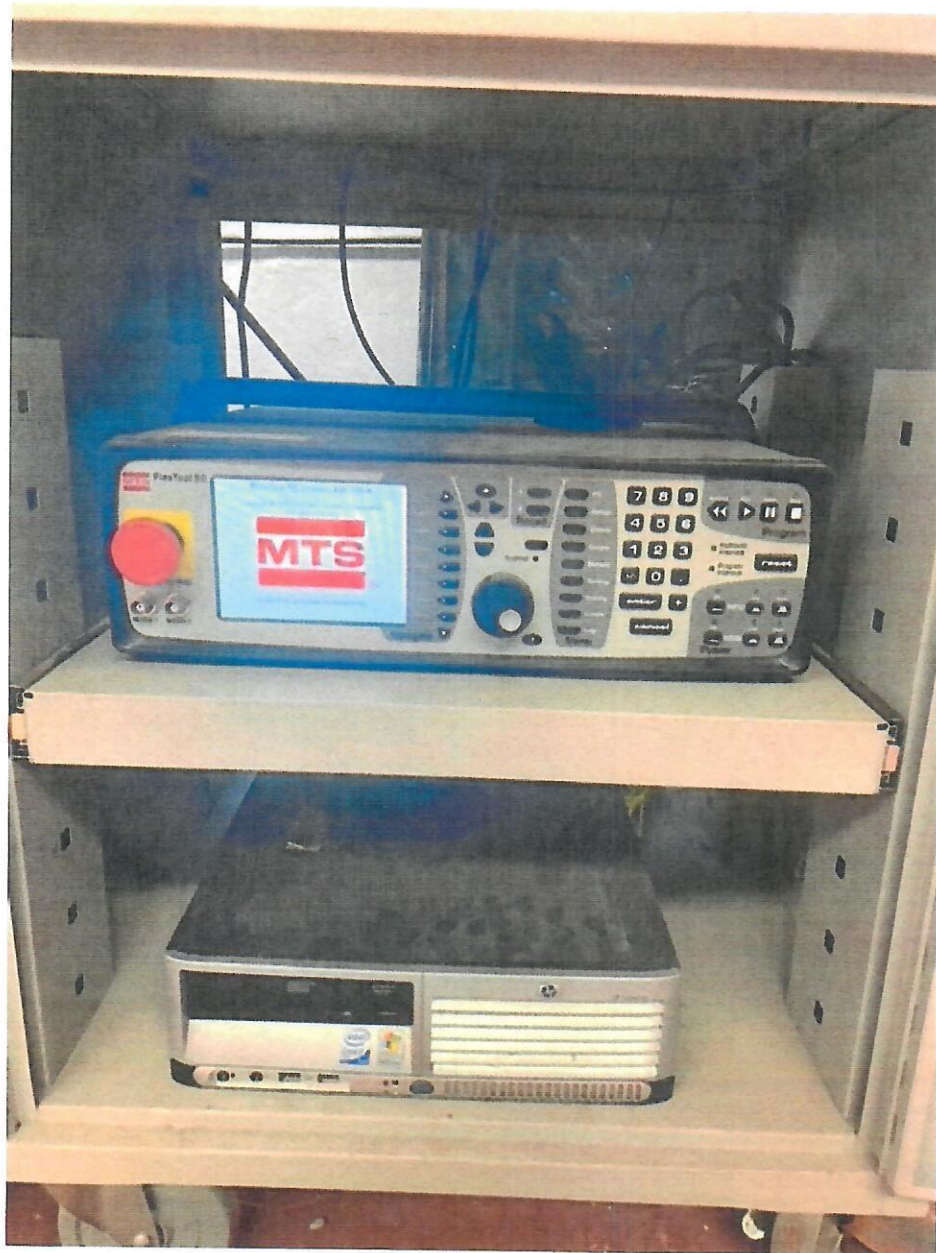
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Cal. By
Cal. Date
MTS

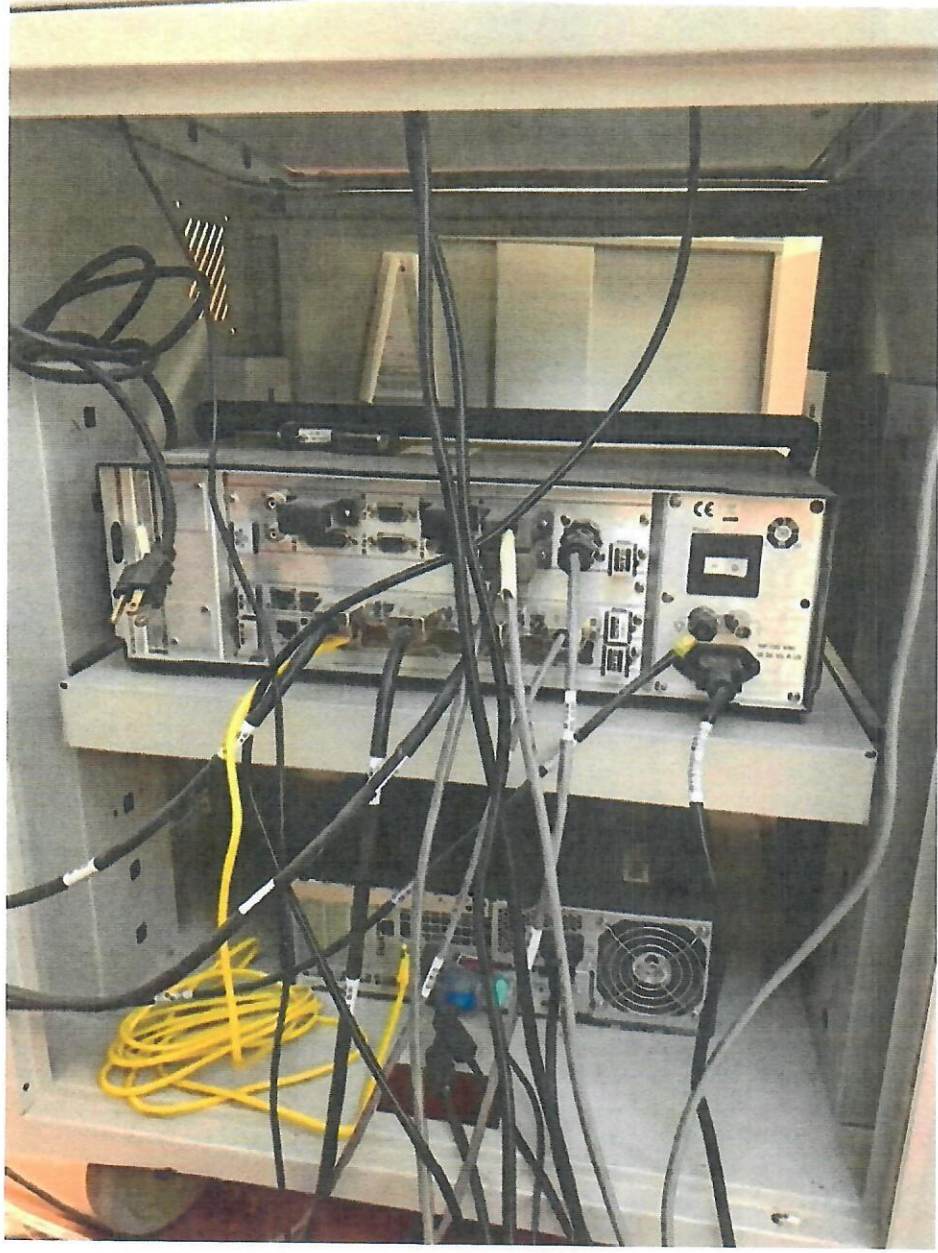
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Cal By: Alan Embel Cert #: 2048526
Cal Date: 10/20/2016 Due Date: 10/20/2017
E00
MTS length
MTS Systems Corporation
(800) 328-2255

Model #: 632.31E-24 Serial #: 249
Cal By: Kenneth Sitton Cert #: 6520-2460
Cal Date: 10/3/2019 Due Date 10/3/2020
MTS MTS Systems Corporation
(800) 328-2255

Model #: 634.25E-25 Serial #: 1064957
Cal By: Kenneth Sitton Cert #: 6520-2461
Cal Date: 10/3/2019 Due Date 10/3/2020
MTS MTS Systems Corporation
(800) 328-2255







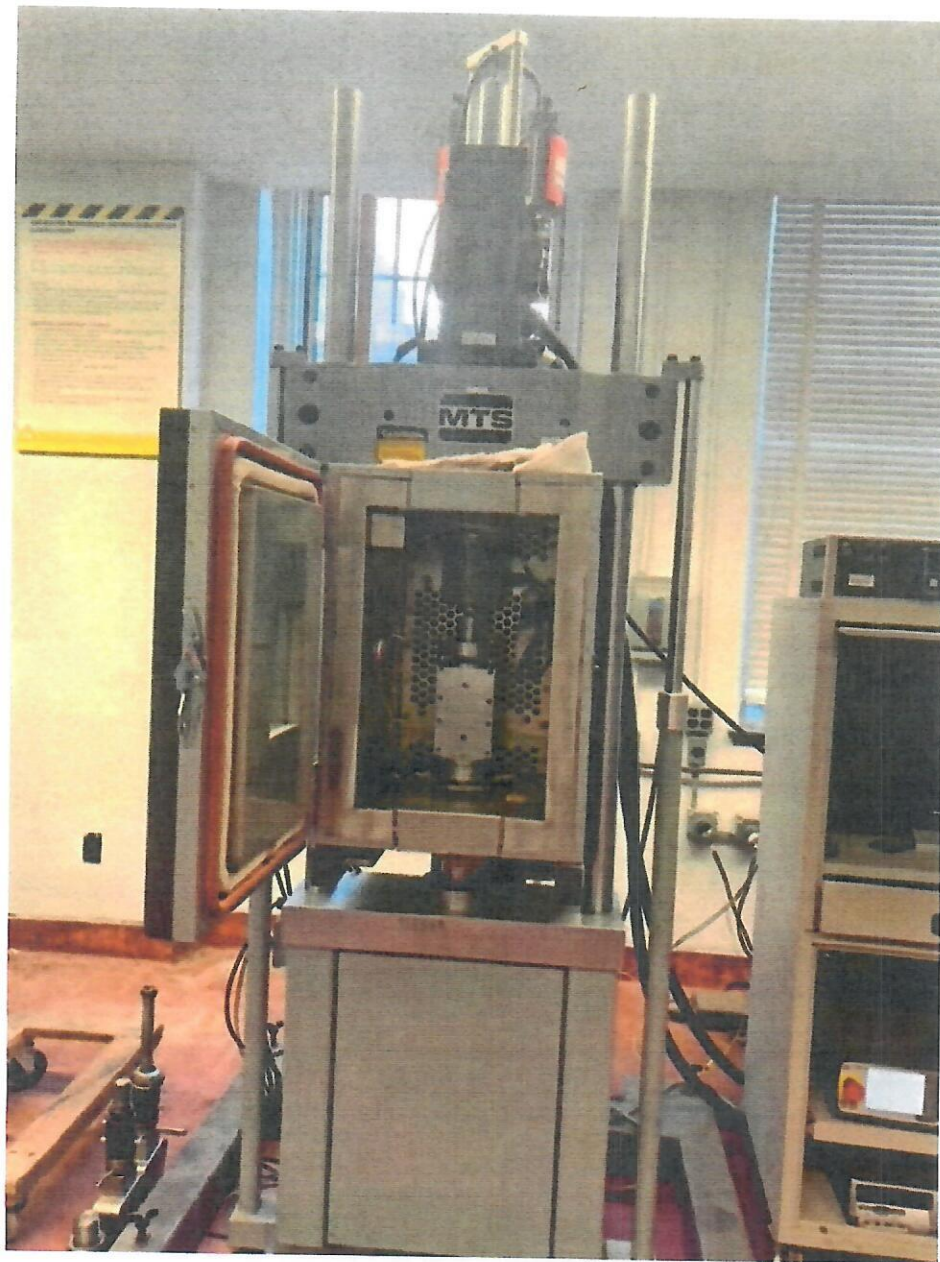
22-Kip Capacity Frame

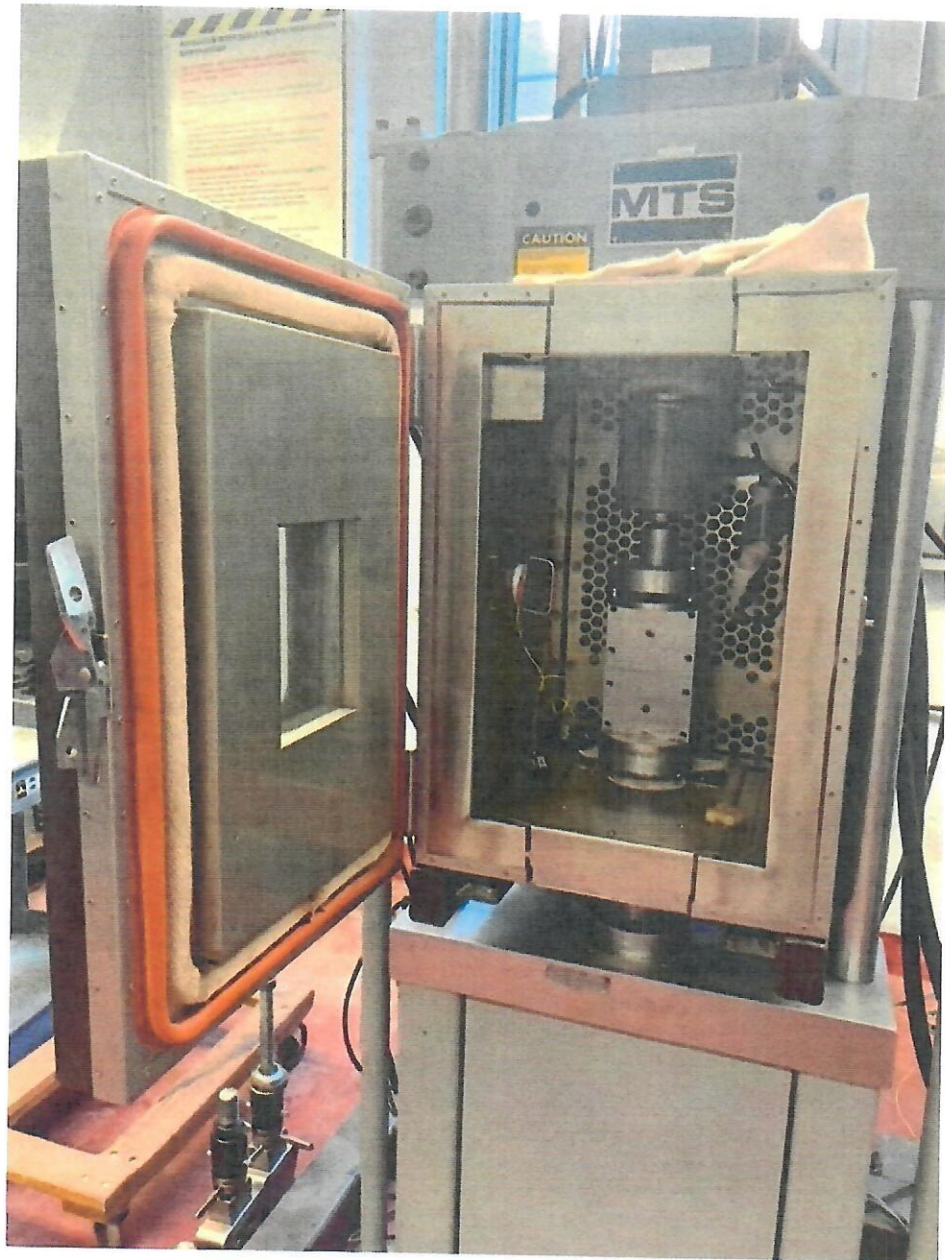




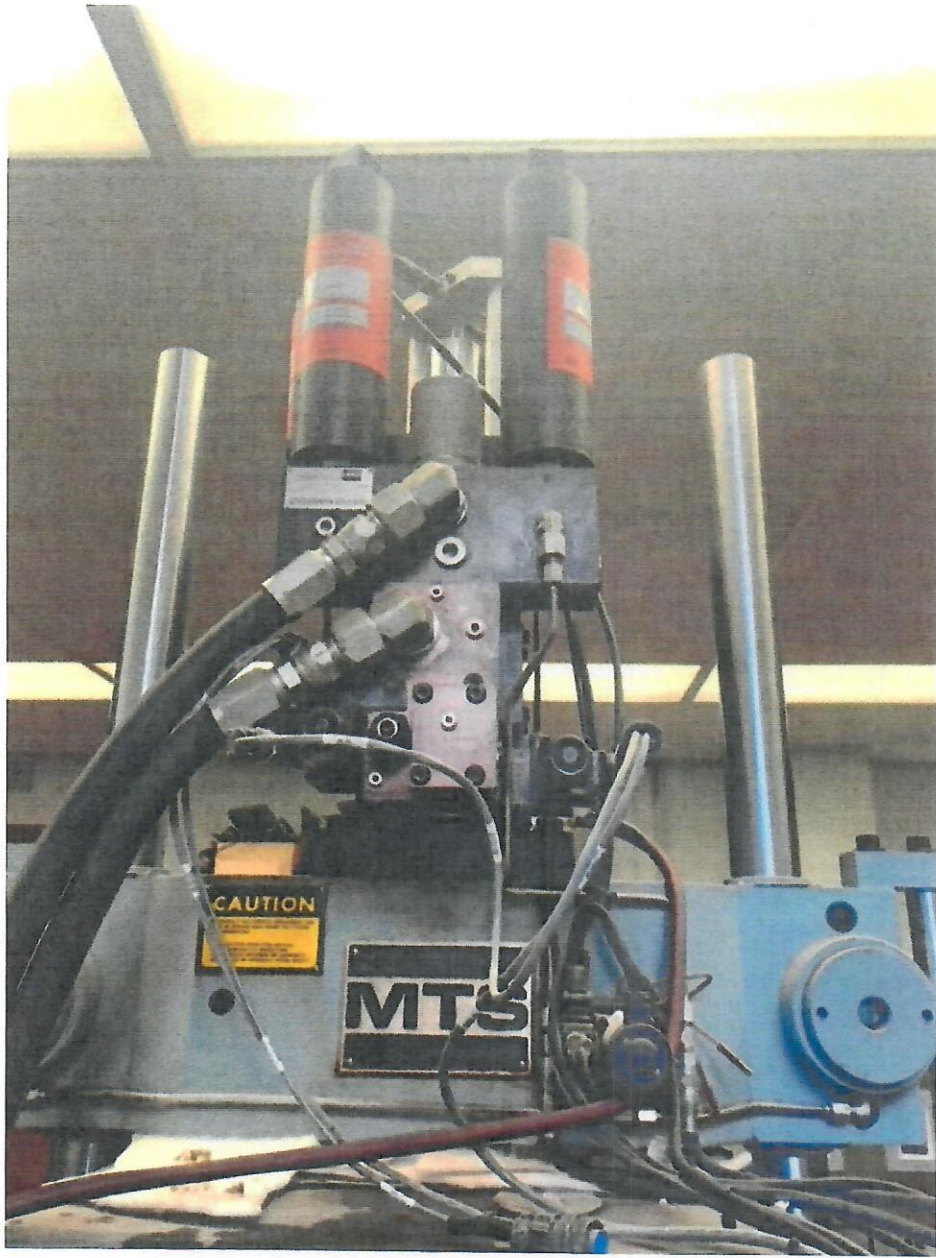


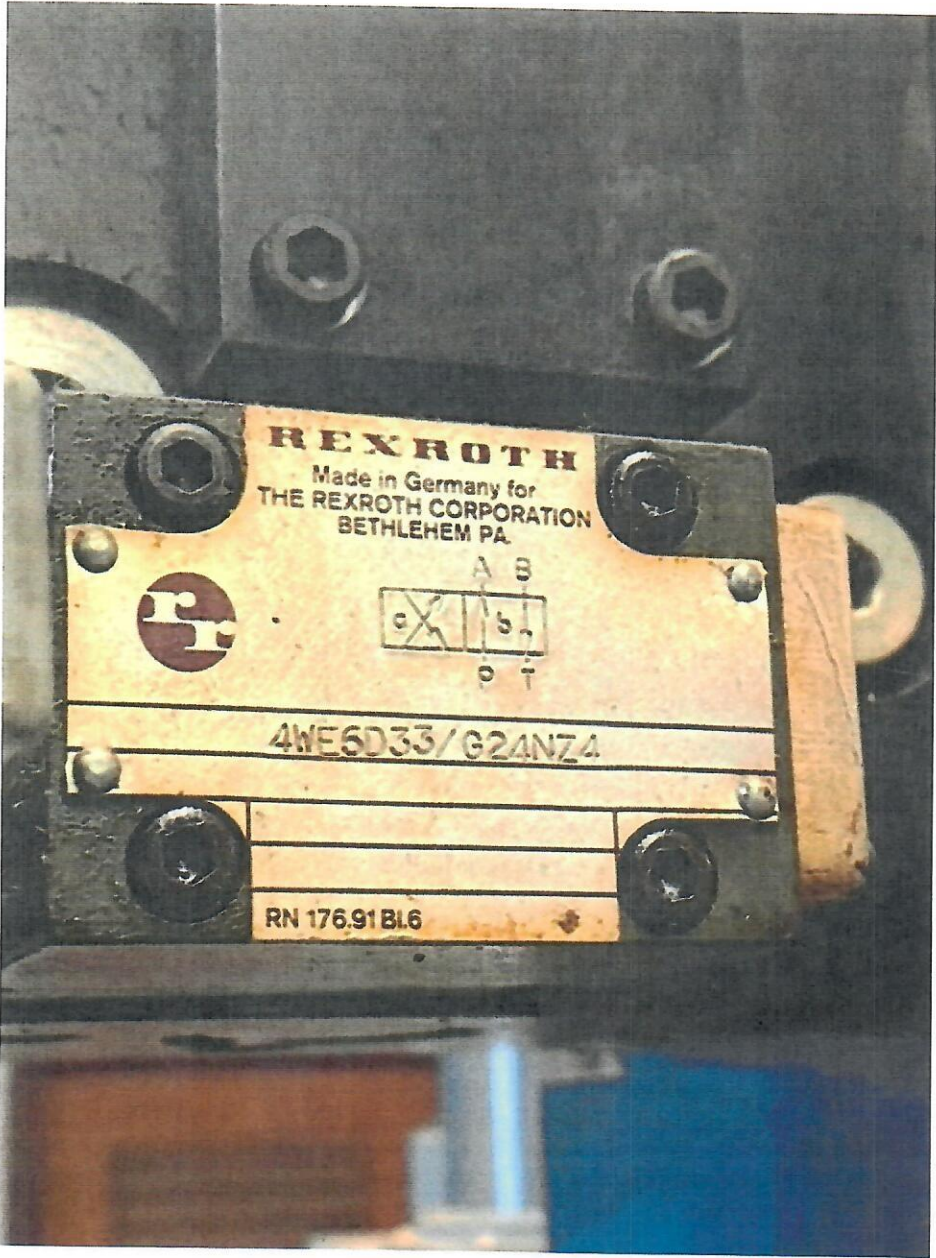






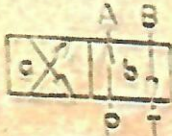






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BETHLEHEM PA.



4WE6D33/G24NZ4

RN 176.91 B1.6





MODEL A-1S-R-1168
TEMPERATURE REGULATING CONTROL

LISTED



801D

SER. NO. 930784

ACTIVE LENGTH (EXPOSE TO HEAT) 5 IN.

TEMPERATURE RANGE

35 TO 750

MAX TUBE TEMP.

1200 ° F

ELECTRICAL RATING

15 AMP A.C.
125-250-480 V

AMP.

V.D.C.

SWITCH ACTION SINGLE POLE DOUBLE THROW

BURLING

INSTRUMENTS INC

CHATHAM N.J.

MADE IN U.S.A.

RELIANCE[®]



IDENT NO. DUTY MASTER[®] A-C MOTOR

HP	RPM	VOLTS	AMPS	HZ	PH
1/2	1725	115/230	5.2/2.6	60	DU
	1425			50	

INS. CLASS	B	INS. TYPE	AMB PC	10	NEMA DESIGN	0095
TIME RATING	CONT					
NEMA NOM	DP					



RELIANCE ELECTRIC COMPANY

602454-14A

CLEVELAND, OHIO 44117

PLANT M
E 54825

MADE IN U.S.A.



