



Vestil Manufacturing Company

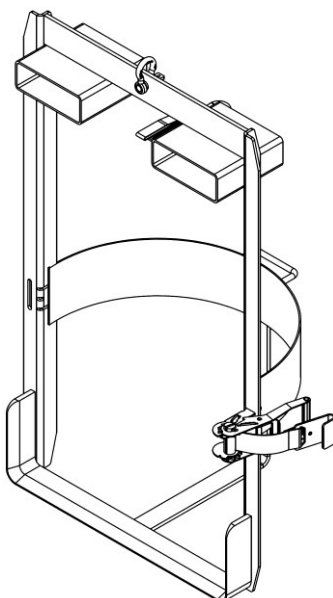
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DRUM-LUG Drum Lifter



Receiving Instructions

After delivery, remove the packaging from the product. Inspect the product closely to determine whether it sustained damage during transport. If damage is discovered, record a complete description of it on the bill of lading. If the product is undamaged, discard the packaging.

NOTE: The end-user is solely responsible for confirming that product design, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

Technical Service & Replacement Parts

For answers to questions not addressed in these instructions and to order replacement parts, labels, and accessories, call our Technical Service and Parts Department at (260) 665-7586. The department can also be contacted online at <https://www.vestil.com/page-parts-request.php>.

Electronic copies of Instruction Manuals

Additional copies of this instruction manual may be downloaded from <https://www.vestil.com/page-manuals.php>.

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SIGNAL WORDS

This manual uses SIGNAL WORDS to indicate the likelihood of personal injuries, as well as the probable seriousness of those injuries, if the product is misused in the ways described. Other signal words call attention to uses of the product likely cause property damage. The following are signal words used in this manual and their definitions.

DANGER

Identifies a hazardous situation which, if not avoided, **WILL** result in **DEATH** or **SERIOUS INJURY**. Use of this signal word is limited to the most extreme situations.

WARNING

Identifies a hazardous situation which, if not avoided, **COULD** result in **DEATH** or **SERIOUS INJURY**.

CAUTION

Indicates a hazardous situation which, if not avoided, **COULD** result in **MINOR** or **MODERATE** injury.

NOTICE

Identifies practices likely to result in product/property damage, such as operation that might damage the product.

SAFETY INSTRUCTIONS

Vestil strives to identify foreseeable hazards associated with the use of its products. Material handling is dangerous and no manual can address every conceivable risk. The end-user must exercise sound judgment at all times.

The DRUM-LUG model drum lifter can be used as either a front end attachment for a high lift truck, or as a below-the-hook lifting device for a crane or hoist. ANSI/ITSDF B56.1 is a US national standard that applies to high and low lift trucks and front end attachments. You should acquire a copy of the latest version of ANSI B56.1 from www.ITSDF.org. Apply all portions of Part II "For the User" that are relevant to front end attachments. The following recommendations complement the guidance provided in B56.1.

Similarly, ASME B30.20 is a US national standard that applies to below-the-hook (BTH) lifting devices. If your DRUM-LUG lifter will be used as a BTH lifting device, then you should acquire a copy of the current revision of ASME B30.20 and apply all relevant instructions for users of mechanical BTH lifting devices.

The following safety instructions are intended to complement the user instructions and safety procedures provided in ANSI B56.1 and ASME B30.20.

WARNING

Unsafe use of this product could result in serious personal injuries or death.

- Read and understand the entire manual before assembling, installing, using or servicing the product. Read the manual to refresh your understanding of proper use and maintenance procedures. Maintenance personnel must read the manual before servicing the drum lifter.

- DO NOT use the lifter unless you are trained to use it.

- DO NOT exceed the maximum rated load. See Label 1153 on product; also shown in [LABELING DIAGRAM](#) on p. 3.

- DO NOT use this device with rough terrain lift trucks or telehandlers (boom trucks). ONLY use it with high lift fork trucks having a vertical mast and carriage.

- DO NOT mount the drum lifter on stackers or manually propelled lift trucks.

- DO NOT operate the truck carrying this device on unimproved surfaces. Only operate on concrete or asphalt surfaces.

- Mark your forklift truck to identify the drum lifter attachment and show the approximate weight of the truck and attachment combination at maximum elevation with load laterally centered. Capacity, operation, and maintenance instruction plates, tags, or decals must be changed accordingly.

- When used with a hoist, only attach the lifter to a hoist hook with a spring latch in good condition.

- Inspect the drum lifter as instructed in the [INSPECTIONS & MAINTENANCE](#) section on p. 6. DO NOT use the device unless it is in satisfactory condition. If you observe any structural damage (for example, significant damage to either or both fork pockets, the safety chain, or the drum-gripping mechanism), tag the unit "Out of Service" and report the damage to maintenance personnel. DO NOT use the lifter until it is restored to satisfactory condition.

- DO NOT allow people to ride or play on the drum lifter.

- ONLY use the DCR to lift and transport drums. ALWAYS confirm that the drum is securely gripped before driving the drum to a new location.

- DO NOT leave an elevated drum unattended. Lower the drum to the ground and disconnect it from the drum cradle. Back the forklift away from the drum until the drum and drum lifter are completely free of each other.

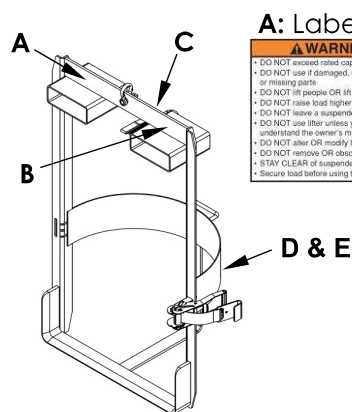
⚠ WARNING

Continued from prior page.

- DO NOT use the DCR if the drum cradle assembly or the cradle closure is damaged or broken. ONLY use the lifter if the cradle and closure function properly.
- DO NOT attempt to resolve any problems with this product unless you are certain that it will be safe to use afterwards.
- DO NOT modify the lifter in any way. **Unapproved modifications automatically void the LIMITED WARRANTY (see p. 7) and might make the product unsafe to use.**
- This DRUM-LUG lifter is designed to move open and closed head, 30GAL and 55GAL drums in non-classified locations. ONLY lift drums in good condition. DO NOT lift open head drums unless lids are securely fastened.
- The safety strap must be used every time the lifter is mounted on the forks of a lift truck. Wrap the strap around the forklift carriage and fasten the free end to the strap or quick link **with no slack**.
- DO NOT use the lifter to move drums filled with hazardous substances.
- DO NOT lift a drum lying on its side. All drums must be upright before attaching the lifter to them.
- DO NOT stand, sit, or ride on the lifter.
- DO NOT attempt to lift a drum that weighs more than the capacity of the lifter (1,000 lb.; 454.5 kg) or of the forklift, whichever is smaller.
- DO NOT lift a load higher than necessary. See **USING THE LIFTER** on p. 5 - 6.
- DO NOT raise the load over your feet or any other body part.
- NEVER lift a drum over yourself or other people.
- Avoid contact with the load while moving it. When moving the drum by hoist, stand behind the lifter, grasp the handle welded to the back of the drum cradle and guide the drum to the desired location. Watch the drum and lifter carefully whenever the lifter is in use.
- DO NOT leave a suspended drum unattended. Always lower the lifter to the ground and unload the drum from the lifter before leaving the drum unattended.
- DO NOT open the lifter while a drum is suspended. Lower the drum completely before releasing it from the drum cradle.

LABELING DIAGRAM

The unit should be labeled as shown in the diagram. However, label content and location are subject to change so your product might not be labeled exactly as shown. Compare this diagram to your **RECORD OF SATISFACTORY CONDITION**. Replace all labels that are damaged, missing, or not easily readable (e.g. faded). Order replacement labels by contacting the **PARTS DEPARTMENT** online at <https://www.vestil.com/page-parts-request.php>. Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking the operator to connect you to the **PARTS DEPARTMENT**.



A: Label 675

⚠ WARNING	⚠ ADVERTENCIA
• DO NOT exceed rated capacity • DO NOT use if damaged, malfunctioning, or missing parts • DO NOT lift people OR lift loads over people • DO NOT raise load higher than necessary • DO NOT leave a suspended load unattended • DO NOT use lifter unless you read and understand the owner's manual • DO NOT alter OR modify lifter • DO NOT remove OR obscure any label • STAY CLEAR of suspended loads • Secure load before using this device	• NO exceda la capacidad tasada • NO USE si las partes están dañadas, no funcionan correctamente o faltan partes • NO eleve al personal o eleve cargas sobre el personal • NO eleve la carga más alto de lo necesario • NO deje desatendida una carga que este suspendida • NO use el elevador o no ser que haya leído y entendido las instrucciones del manual del propietario • NO altere o modifique el elevador • NO quite o desconozca ninguna etiqueta • MANTENGASE alejado de las cargas suspendidas • Asegure la carga antes de usar este dispositivo

B: Label 320

MODEL NUMBER/NÚMERO DE MODELO _____	
RATED LOAD _____	LBS.
CARGA TASADA _____	KGS.
WEIGHT OF LIFTER _____	LBS.
PESO DE LA UNIDAD _____	KGS.
SERIAL NUMBER/NÚMERO DE SERIE _____	
BTH-1 Design Category/Diseño BTH-1 Categoría _____	B
BTH-1 Service Category/Servicio BTH-1 Categoría _____	T
VESTIL MANUFACTURING COMPANY Phone (260) 665-7586 • www.vestil.com	

C: Label 218

⚠ WARNING	⚠ ADVERTENCIAS
Improper use might result in death or serious personal injury. Attach device to fork carriage with safety chain/strap. • Drive lift truck forward until forks contact ends of fork pockets. • Chainstraps must not be able to disconnect (slide free) from carriage. • Safety chain/strap must be taut. Connect chain/strap to carriage via shortest line.	El uso inapropiado puede resultar en muerte o heridas personales. Atar aparato al mástil del montacargas con cadenas/correas. • Maneje el montacargas para adelante hasta que las cuñas hagan contacto con la grilla del bolillo de las cuñas. • La cadenas y correas no deben de deslizarse (soltarse) del mástil del montacargas. • La cadena/correa de seguridad debe de estar apretada. Asegure la cadena/correa al mástil via la ruta mas corta.

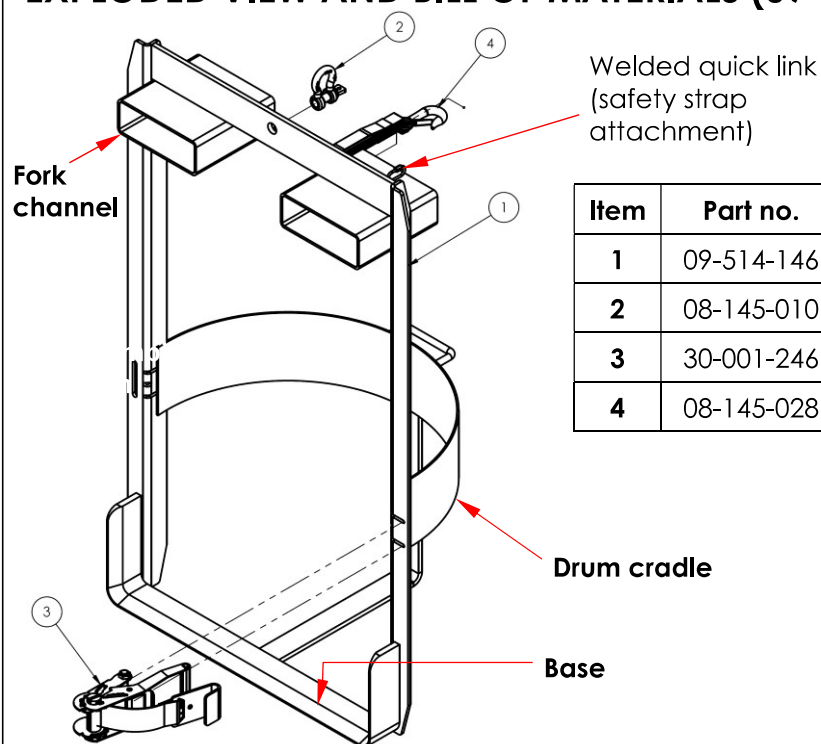
D: Label 1210

⚠ WARNING	1210
Using this front end attachment exposes occupants and bystanders to risk of serious personal injuries or death. • DO NOT use this front end attachment with rough terrain lift trucks or telehandlers (boom lifts). • ONLY use this attachment with high lift fork trucks utilizing a vertical mast and carriage. • DO NOT operate truck with attachment on unimproved surfaces. ONLY operate the truck with the attachment on concrete or asphalt surfaces capable of supporting the truck and a full capacity load.	

E: Label 624

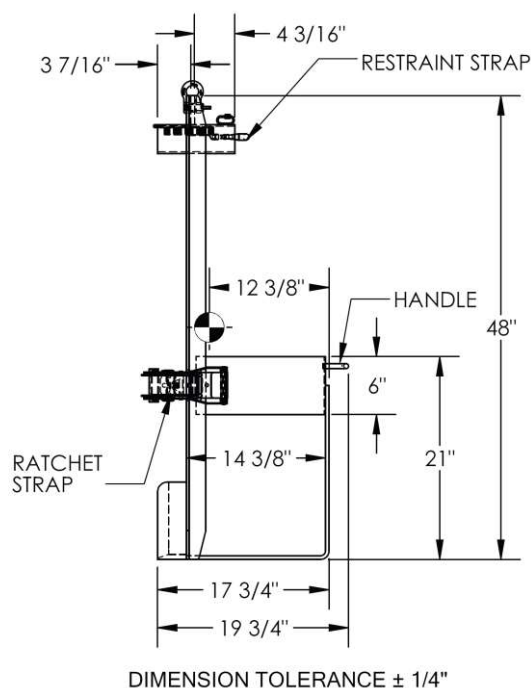
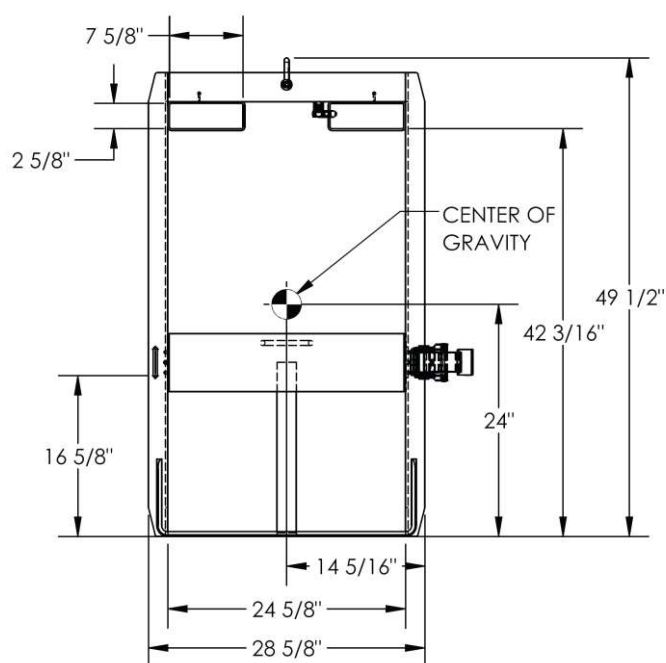
⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
CENTER LIFTING HOOK ABOVE LOAD CENTER OR LOAD SLIPPING MAY OCCUR. ADJUST LOCATION OF LOAD OR LIFTING HOOK, IF ADJUSTABLE. DO NOT EXCEED RATED CAPACITY HORN CAPACITY MUST EQUAL OR EXCEED LIFTER CAPACITY PLUS WEIGHT OF UNIT LEVER SLOWLY STAND CLEAR WHILE LIFTING	CENTRE EL GANCHO DE ELEVACION ENCIMA DEL CENTRO DE LA CARGA O LA CARGA SE PODRIA DESLIZARSE. AJUSTE EL LUGAR DE LA CARGA O DEL GANCHO DE ELEVACION, SI ES AJUSTABLE. NO EXCEDA LA CAPACIDAD TASADA. LA CAPACIDAD DEL TORNIO DEBE IGUALAR O DEBE EXCEDER LA CAPACIDAD DE ALZADOR EL PESO POSITIVO DE LA UNIDAD ELEVE LENTAMENTE MANTENGASE APARTADO MIENTRAS SE ELEVE	CENTRER LE CROCHET DE LEVAGE AU DESSUS DU CENTRE DE LA CHARGE OU UN BÉTAILLAGE DE LA CHARGE RISQUERAIT D'AJUSTER LA POSITION DE LA CHARGE OU DU CROCHET DE LEVAGE, SI C'EST POSSIBLE. NE PAS DÉPASSER LA CAPACITÉ NOMINALE CAPACITÉ DE L'APPAREIL DE LEVAGE DOIT ÉGALER OU DÉPASSER LA CAPACITÉ DE L'ÉLEVATEUR AVEC LE POIDS DE L'UNITÉ LEVER LENTEMENT TENEZ-VOUS À L'ÉCART PENDANT LEVAGE

EXPLODED VIEW AND BILL OF MATERIALS (09-006-167)



Item	Part no.	Description	Qty.
1	09-514-146	Weldment, frame	1
2	08-145-010	1/2" 2-ton shackle	1
3	30-001-246	Ratchet strap, dual	1
4	08-145-028	Fork attachment restraint strap	1

SPECIFICATIONS (09-007-167)



****Only use with 30 gallon (114L) and 55 gallon (209L) drums in upright position.****

Uniform Capacity = 1,000 lb. (454.5kg)

Weight = 86lb. (39.1kg)

Overall width = 28⁵/₈" (72.7cm)

Overall length = 19³/₄" (50.2cm)

Overall height = 49¹/₂" (125.7cm)

Ratchet strap to secure drum in lifter

Compatible with 55gal. and 30gal. steel, plastic, & fiber drums

Maximum drum width = 24⁵/₈"

Can be attached to a hoist or be mounted on forks of vertical mast forklift (not telehandler)

Usable fork channel dimensions = 7⁵/₈" x 2⁵/₈" (19.4cm x 6.7cm)

NATIONAL STANDARDS

This product can be used as either a front end attachment when mounted on the forks of a fork truck, or a below-the-hook lifter when attached to a hoist or other overhead lifting device.

FRONT END ATTACHMENT

According to US Federal Occupational Safety and Health Administration (OSHA) Rule 1910.178 (29 CFR 1910.178; the "Rule"), this device is a front end attachment for a lift truck whenever it is mounted on the forks of a lift truck. The Rule incorporates American National Standard ANSI/ITSDF B56.1 (the "Standard") published by the Industrial Truck Standards Development Foundation (ITSDF) on its website (www.itsdf.org). The standard is freely downloadable at <http://www.itsdf.org/cue/b56-standards.html>. Before putting this drum mover into service, you must acquire a copy of the Standard. Apply all relevant parts of Part II: For the User. If instructions provided in this manual conflict with the Standard, then you should apply the instructions in the Standard. If you find any such disparities, Vestil request that you immediately share them with our [TECHNICAL SERVICE](#) personnel. Contact information for [TECHNICAL SERVICE](#) appears on the cover page of this manual.

BELOW-THE-HOOK LIFTING DEVICE

When attached to an crane, hoist, or other overhead lifting device, the DRUM-LUG is a "Below-the-Hook Lifting Device" (BTH lifter). [ASME standard B30.20](#) (the "Standard") applies to BTH lifters. Acquire a copy of the latest version of the Standard before putting the lifter into service. Follow all use and maintenance/care instructions provided in the Standard as well as all other relevant provisions for owners and users. If content in this manual conflicts with any recommendation or mandatory provision in the Standard, apply the provision from the Standard. Vestil encourages you to immediately contact [TECHNICAL SERVICE](#) if you discover any conflicts.

USING THE LIFTER

This product can be used either as a below-the-hook lifting device (attached to a hoist) or as a forklift attachment.

Step 1: Set the lifter next to the drum. The base should contact the side of the drum.

Step 2: Tip the drum slightly away from the lifter. Slide the base of the lifter under the drum. The side of the drum should contact the back of the drum cradle.

Step 3: Apply the ratchet strap. If the strap is not long enough to wrap around the drum, then release the spooling mechanism. Pull the release lever up and hold it. Pull the strap away from the ratchet to unspool strap and increase its length.

Step 4: Feed the hook at the end of the strap into the hook slot in the frame. Move the ratchet handle back-and-forth to tighten the strap against the drum. Do not overtighten the strap, particularly when a drum is plastic or fiber. Overtightening the strap might damage (crack or rupture) the drum.

Step 5: Connect the lifter to a hoist or mount it on the forks of your lift truck.

a. Hoist: attach the hoist hook to the shackle. Do not side load the hoist! Side loading the hoist will result in load swing as the lifter lifts off of the ground.

b. Forklift: drive the forks through both fork channels. Drive forward until the forks wedge against the tops and bottoms of the channels.

c. Forklift: Attach the safety strap to the fork carriage. Wrap the strap around the carriage. Fasten the hook to the strap or welded quick link. See [EXPLODED VIEW](#) on p. 4. **without slack.** The strap must not be able to disconnect from the carriage during use.

Step 6: Raise the drum a few inches above the ground. Watch the drum and lifter for approximately 5 seconds to be certain that the drum is secure. If the strap must be tightened, lower the lifter to the ground and then tighten the strap.

Step 7: Transport the drum to the desired location.

a. Overhead hoist: Lift the drum ~5-6 inches above the ground. Stand behind the drum. Grasp the handle welded to the back of the cradle. Carefully direct the lifter to the desired location. Minimize drum swing by moving the hoist **slowly**.



- b. **Forklift:** drive slowly, particularly while turning. Reduce speed during all turns. Apply the brakes gradually. The lifter should not slide towards the tip of the forks

Step 8: Before lowering the drum, make sure that it is not swinging, spinning, etc. Slowly lower the drum until there is slack in the hoist cable/chain or the forks are loose inside the fork channels. Disconnect the lifter from the hoist, or demount the lifter from the forklift. Loosen the ratchet strap by pulling up on the release lever. Pull as much strap off of the spool as necessary to unhook the strap from the frame.

RECORD OF SATISFACTORY CONDITION (THE "RECORD")

Record the condition of the lifter before putting it into service. Measure the length and width of the shackle (part no. 08-145-010). Include a width measurement of the mouth of the shackle, i.e. the area that receives the shackle pin. Record your measurements. Extend and retract the ratchet strap. Describe the amount of force necessary to operate the ratchet. Thoroughly photograph the unit from multiple angles. Include close range photos of all labeling, the lifting shackle and shackle pin, the fork channels, the ratchet and ratchet strap, safety strap and hook, and welds. Collate all photographs and writings into a single file. Mark the file appropriately to identify it. The file provides a record of the device in satisfactory condition. Compare the results of all **INSPECTIONS** (see below) to this **RECORD** to determine whether the unit is in satisfactory condition. If the lifter is not in satisfactory condition, repair it before returning it to service. Purely cosmetic changes, like damaged paint/powdercoat, do not constitute changes from satisfactory condition. However, touchup paint should be applied to all affected areas as soon as cosmetic damage occurs to prevent rusting and corrosion. If left unaddressed, rusting/corrosion will alter the lifter from satisfactory condition and could make it unsafe to use.

LOAD TESTS

After creating a **RECORD OF SATISFACTORY CONDITION** and before using the lifter for the first time, a qualified person should conduct a load test. The test load should be 125% of the rated load of the lifter. The rated load (capacity) is 1,000 lb. (454.5kg) of so the test load should be 1,250 pounds (568.2kg). Attach the unit to an appropriately rated overhead lifter. Raise the unit until it is suspended. Leave the unit suspended for a few minutes. Return it to the ground and unload it. Perform a **Monthly Inspection** as described in **INSPECTIONS AND MAINTENANCE** (below). The lifter must undergo load testing immediately after it is repaired, modified, or altered.

INSPECTIONS & MAINTENANCE

Inspection procedures are included in the most current revision of ASME B30.20 and ANSI B56.1. As stated above in the **NATIONAL STANDARDS** section, Vestil recommends that you acquire a copy of the most recent revision of each standard. Apply all use and maintenance/care instructions in the standards. Vestil also recommends that you contact your local occupational safety and health authority to determine if any laws, regulations, codes, ordinances, etc. apply inspection requirements to products like this drum mover.

Inspections and repairs should only be performed by qualified persons. Compare the results of each inspection to the **RECORD OF SATISFACTORY CONDITION** (the "RECORD"). Do not use the lifter unless all parts are in satisfactory condition. Replace parts that are not in satisfactory condition before using the lifter again. **DON'T GUESS! If you have any questions about the condition of your lifter, contact the TECHNICAL SERVICE department.** The phone number is provided on the cover page of this manual. Never make temporary repairs of damaged or missing parts. Only use manufacturer-approved replacement parts. Deformities, cracks, and severe wear of the base or other portion of the main body necessitate immediate replacement of the entire unit.

Every lift

Look for dirt or other surface debris. Clean the surfaces.

Monthly Inspections

At least once per month a qualified person must perform the following inspections. Written reports should be prepared for every monthly inspection including inspections following **LOAD TESTS**.

1. Load shackle and shackle pin: Examine the shackle and shackle pin for damage including significant wear, warping, cracks, or deformation. Measure the throat opening of the shackle. Compare it to the measurements in the **RECORD**. The throat opening should not be 15 percent or more in excess of normal throat opening or be twisted more than 10° from the plane of the unbent shackle.
2. Ratchet and ratchet strap: Confirm that the ratchet works properly by moving the handle back-and-forth. The release lever should automatically engage the teeth on the spool to prevent the strap from unwinding. Pull the release lever and unwind most of the strap. Check the strap for damage, such as cuts, tears, burns.
3. Frame, cradle, fork channels: Check welds and frame for breaks and severe rusting/corrosion. Remove rust/corrosion with a brush or steel wool. Clean the area and apply touchup paint. The frame should be square and rigid. Examine the frame around the hook slot and hole for the shackle pin for elongations, warps, etc.
4. Make a dated record of the inspection. Indicate whether each component inspected is in normal condition. Describe repairs, adjustments and/or replacements. Only install manufacturer-approved replacement parts.

LIMITED WARRANTY

Vestil Manufacturing Company ("Vestil") warrants this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective, original part covered by the warranty after we receive a proper request from the Warrantee (you) for warranty service.

Who may request service?

Only a warrantee may request service. You are a warrantee if you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

Definition of "original part"?

An original part is a part used to make the product as shipped to the Warrantee.

What is a "proper request"?

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by one of the following methods:

<u>US Mail</u>	<u>Fax</u>	<u>Email</u>
Vestil Manufacturing Company 2999 North Wayne Street, PO Box 507 Angola, IN 46703	(260) 665-1339 <u>Phone</u> (260) 665-7586	info@vestil.com Enter "Warranty service request" in subject field.

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

What is covered under the warranty?

The warranty covers defects in the following original, dynamic parts: motors, hydraulic pumps, motor controllers, and cylinders. It also covers defects in original parts that wear under normal usage conditions ("wearing parts"), such as bearings, hoses, wheels, seals, brushes, and batteries.

How long is the warranty period?

The warranty period for original dynamic components is 90 days. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil may, at its sole discretion, extend a warranty period for products shipped from authorized distributors by up to 30 days to account for shipping time.

If a defective part is covered by the warranty, what will Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any covered part. An authorized representative of Vestil will contact you to discuss your claim.

What is not covered by the warranty?

The Warrantee (you) is responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

Events that automatically void this Limited Warranty.

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from Vestil.

Do any other warranties apply to the product?

Vestil Manufacturing Co. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty. Vestil makes no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect in material or workmanship.

