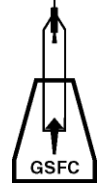
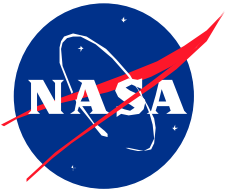


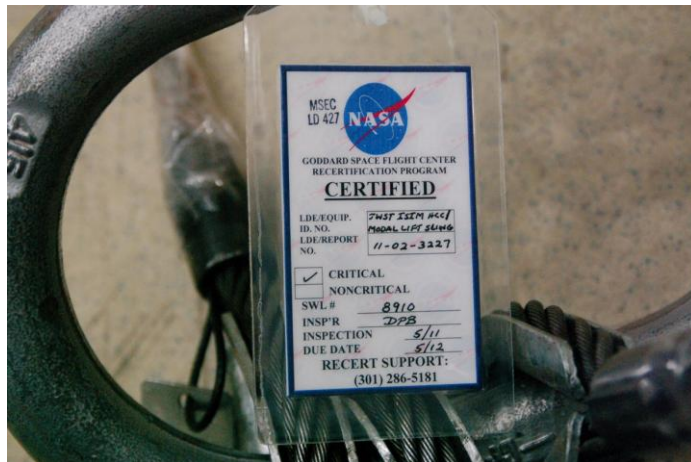
LDE RECERT TAGS



- **LDE RECERT tags are applied to assemblies and components.**
- **Attention should be paid to the EXPIRATION DATES. Expiration dates indicate when the item must be recertified by the RECERT Manager. Items that are past their expiration date should be brought to RECERT's attention.**
- **LDE can be certified as Critical or Non-Critical. Critical LDE must be load tested and inspected annually. Non-Critical LDE must be inspected annually, but load tested once every four years.**



SAMPLE LDE RECERT TAGS



Lift Slings tested as a complete assembly will be tagged with a single RECERT Proof Tag.

The components of the assembly will each have a RECERT Inspection tag.

The Proof Test Tag will indicate:

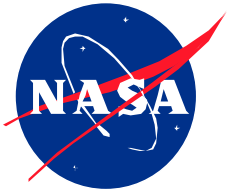
Safe Working Load

LDE ID number

Criticality of item

Proof Test Expiration

(Due Date)



SAMPLE LDE COMPONENT RECERT TAGS



Critical LDE Component
RECERT Proof load test tag.

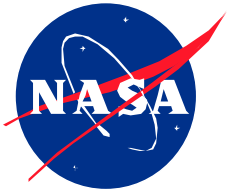
Tag lists:

Safe Working Load (SWL)-
amount the item is rated to
lift

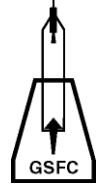
LDE ID # - should match
markings on item

Due Date – date when
current certification expire
and item needs to be
returned to RECERT for
testing/inspection





Sample



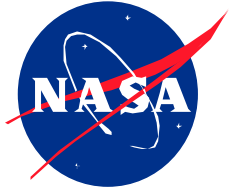
Critical LDE Component RECERT TAGS

NDT Inspection tags are provided for all critical lifting components

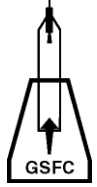
These tags list the inspection date, the due date is one year after the inspection date.

All critical LDE requires annual testing/inspection.

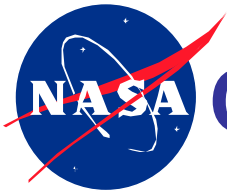




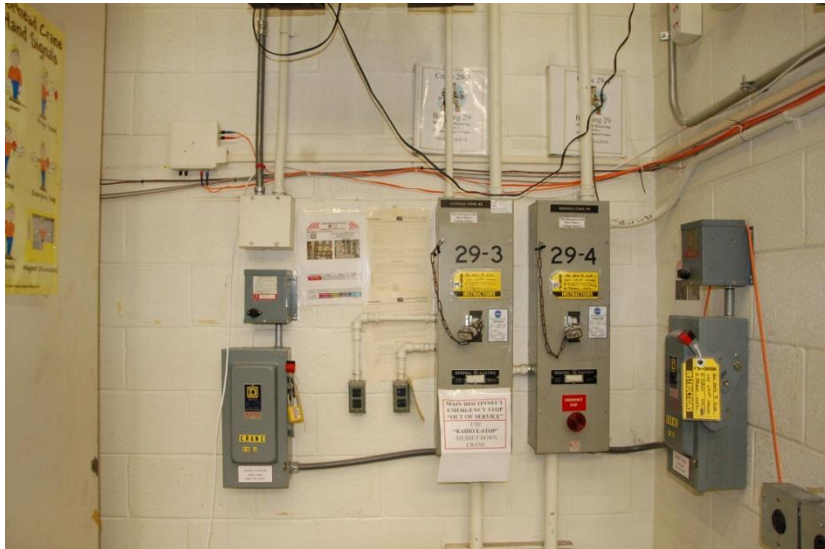
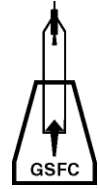
SAMPLE LD (CRANE) RECERT Tags



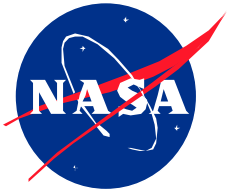
- Every Lifting Device on center requires a Certification Tag.
- RECERT TAG will list:
 - LDE ID number
 - Safe Working Load
 - Criticality
 - Due Date



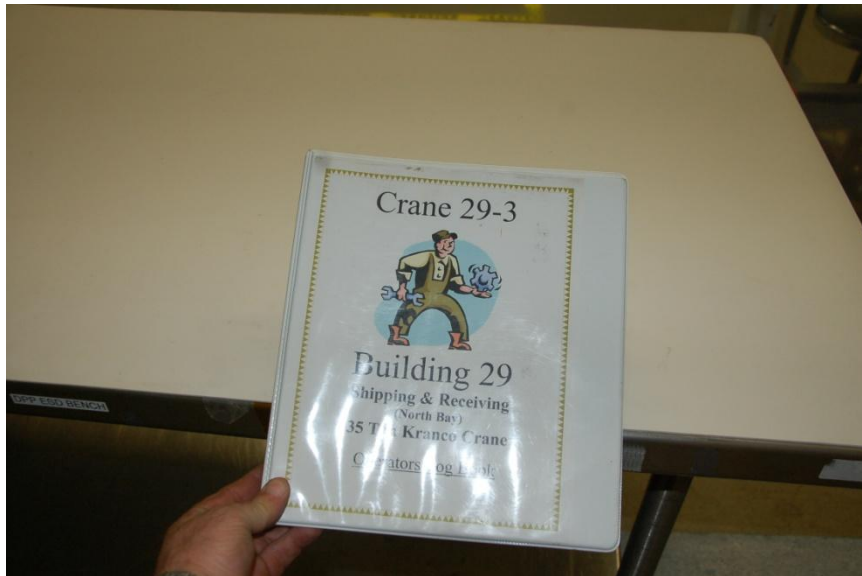
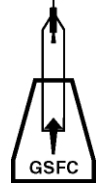
CRANE Power Main Disconnect



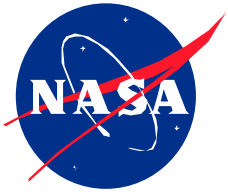
- Crane power switches , main power disconnects, RECERT tags and log books are typically located together.



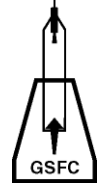
CRANE LOG BOOKS



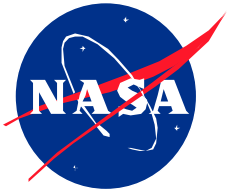
- Crane Log books are to be filled out and signed by operator after performing the daily checkout, prior to using the crane.
- Any and all discrepancies should be recorded in the logbook.



Typical LDE Components



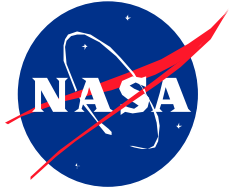
- LDE lifting components can be nylon straps, wire rope slings, turnbuckles, shackles, hoist rings, eye bolts, etc.



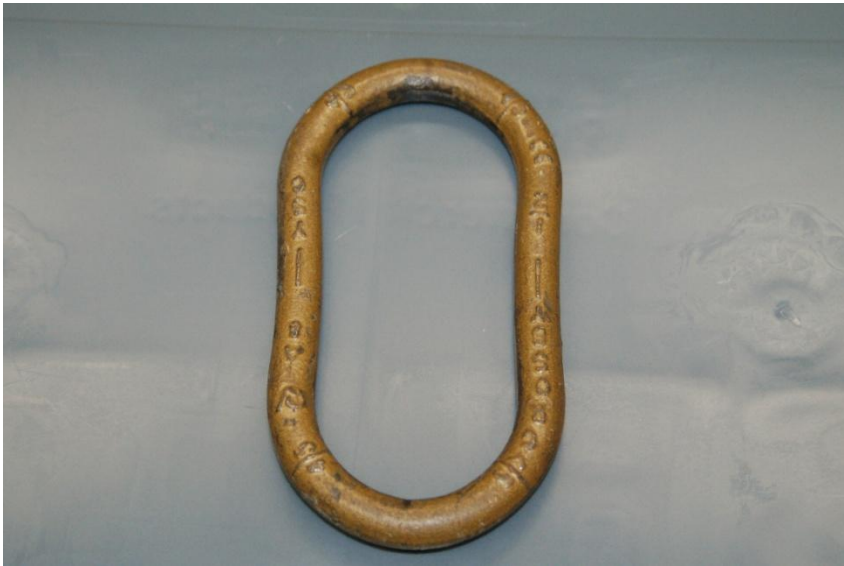
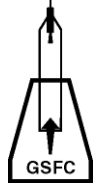
LDE Lifting Components



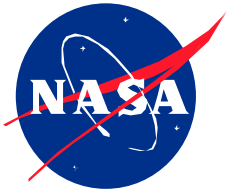
- Any component used in a lifting activity at GSFC requires certification and a current RECERT tag.
- Components must not be overloaded by exceeding the SWL .
- Critical components may be used for a Non-critical lift.
- Non critical components cannot be used in a critical lift.
- All LDE requires a visual inspection by the users prior to use.



LDE Components Typical Defects



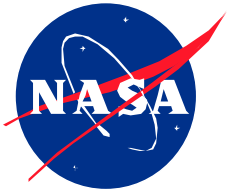
- The sides of this ring were straight when it was made.
- When it was overloaded the sides were deformed (bowed-in) as seen here.
- This lifting ring was overloaded and is unsafe for use.



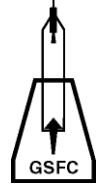
LDE Components Typical Defects



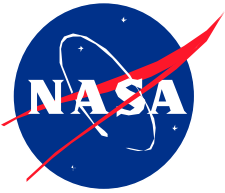
- Nylon Lifting strap shown on left has significant fraying.
- A strap with any noticeable fraying or fiber damage (burns, cuts, etc) , should be removed from service.



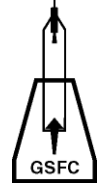
LDE Components Typical Defects



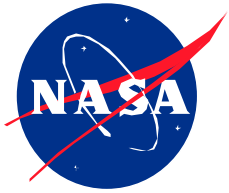
- Wire rope with broken strands and bulged at end fitting.
- Wire rope sling with any broken strands at end fittings are to be removed from service



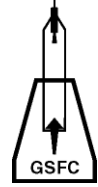
LDE Components Typical Defects



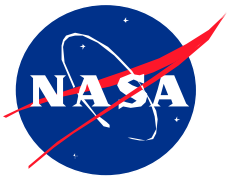
- Swivel Hoist rings must be able to swivel freely and must maintain OEM components.
- This item was frozen and could not swivel. Bolt appears to of been replaced with non OEM fastener.



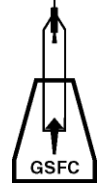
LDE Components Typical Defects



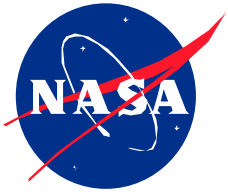
- LDE owner modifications are typically not allowed.
- This shackle was machined for clearance by user, it was removed from service when discovered by RECERT.



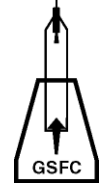
LDE Lifting Fixtures



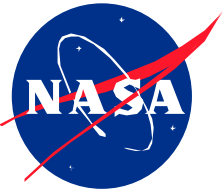
- **Specialty lifting fixtures like this “Flip Rite” unit are considered LDE and require certification by RECERT.**



LDE Overview



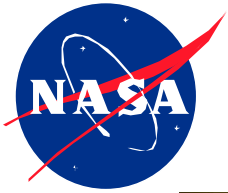
- All LDE must be inspected prior to use
- Critical and Non-Critical LDE have different testing/inspection requirements and intervals.
- LDE tested as an assembly will only have a single load test tag, but each component of the assembly will have an individual inspection tag.
- Components of an assembly cannot be removed and used for other lifting configurations.



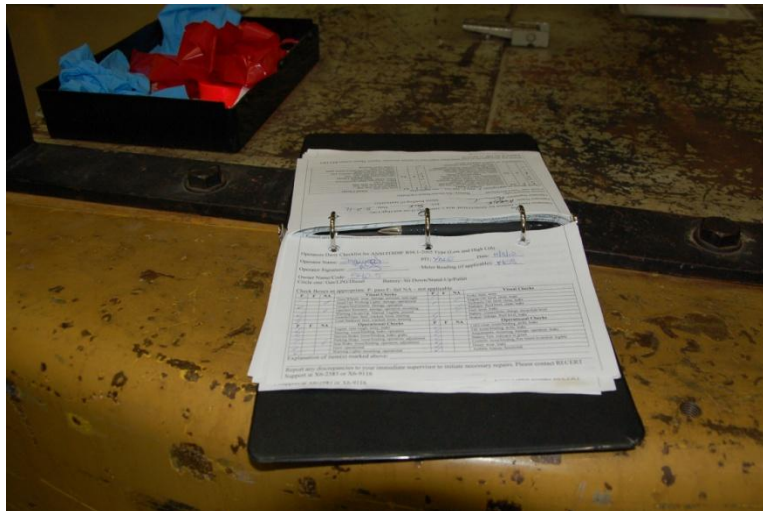
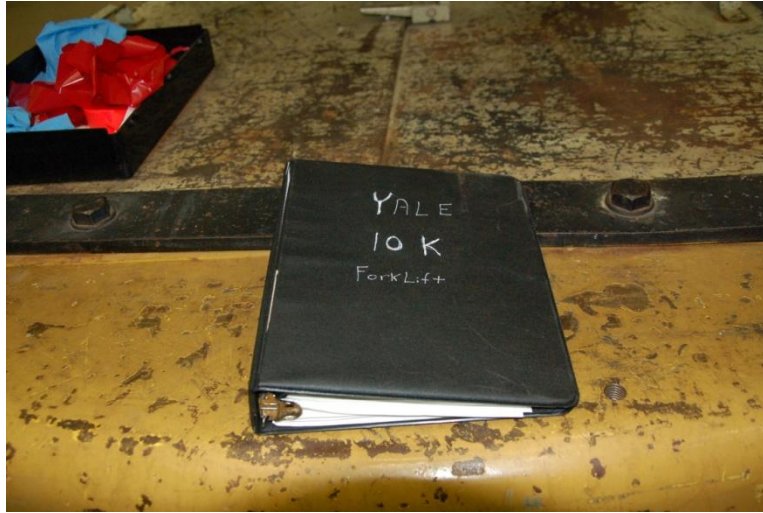
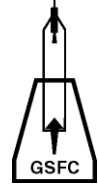
Powered Industrial Trucks



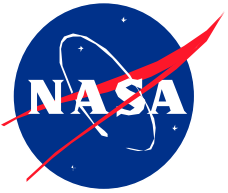
- PIT's include Fork Lift Trucks of various configurations (ride on, walk behind, etc).
- PIT's will have a RECERT certification tag displayed on the unit.
- The Certification tag will list: LDE ID number. SWL, Certification expiration (Due) date, etc.



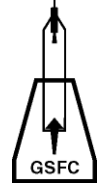
PIT Logbooks



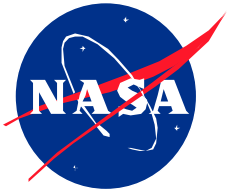
- Each PIT has a logbook for users to record Daily checkout inspection entries.
- Logbook should be filled out by operators prior to use.



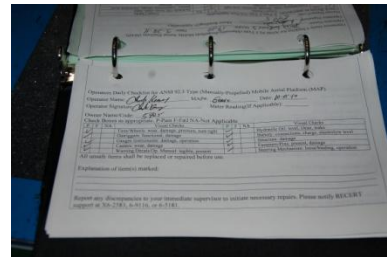
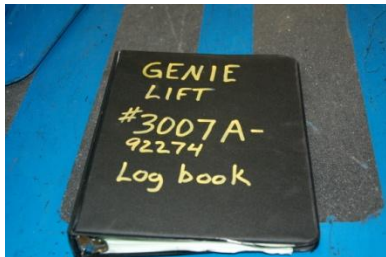
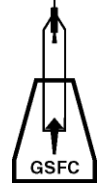
Mobile Aerial Platforms



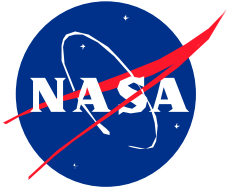
- MAP's include: scissors lifts, bucket lifts (JLG, etc) and other powered devices used to position personnel at elevated work locations.



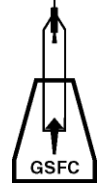
MAP Logbook



- Each MAP has a logbook for users to record Daily checkout inspection entries.
- Logbook should be filled out by operators prior to use.



RECERT ON-LINE DOCUMENTS & CONTACTS



➤ RECERT URL:

<http://recert.gsfc.nasa.gov/>