

Job Report
Material Handler - Likufix

A 934 B HD

Versatility provided by the Likufix system
General Iron Industries in Chicago, Illinois



LIEBHERR

Situation

General Iron Industries Inc. is a privately owned company which specializes in the recycling of scrap metal. It was founded almost a hundred years ago in Lincoln Park in Chicago, IL by Mr. Rosenmutter, and is now managed by Mark, Marilyn, and their sons Adam & Howard Labkon, the third and fourth generations of the family-run business.

General Iron Industries strives to find new technologies that enable them to process scrap more efficiently.

? Task

Material frequently arrives to the yard mixed with several types of non-ferrous materials. In order to recycle the metal, operators need to sort the loads. They use a magnet to separate the steel and then use a grapple to sort the various types of non-ferrous material. Non-ferrous material often needs to be sheared into smaller pieces before being fed into the baler. Most scrap yards use dedicated material handlers for each of these functions. General Iron would have to utilize at least two machines for every load that arrives in their yard to accomplish the basic sorting.

Adam Labkon commented that "we didn't want to buy three machines to sit around. We needed a better solution to accomplish the process efficiently."

! Solution

General Iron recently purchased a Liebherr A934B HD Material Handler equipped with Likufix. Likufix is an automatic hydraulic coupling system that allows the operator to quickly change tools without leaving the cab. All hydraulic connections are made automatically and utilize a hydro-mechanical seal to prevent leaks.

According to Adam Labkon, "The new machine offers a good solution for us. We can change the tools as needed, we can change from the grapple to the magnet or to the shear in about one minute depending on what we need. We even send the machine to our adjacent yard to unload railcars. We are also using it to clean and unload the railroad car with the rotating grapple."

He went on to comment, "When one of our other machines needs service we can just switch the tool on the Liebherr machine to replace the other machine while it is in service. We initially bought it to unload the trucks but now we use it for much more than that. It has exceeded our expectations."



! Performance

The Likufix feature on the A934B HD offers General Iron Industries the perfect solution. It has the versatility to handle mixed loads, allows for less capital investment in machinery, and can be used to replace other machines while they are being serviced.

Technical Data

A 934 B HD Litronic Material Handler

Operating weight _____ 78,300 - 82,690 lb
Engine _____ Liebherr D 924 TI-E
Engine output _____ 197 HP (145kW) at 2000 RPM
Boom _____ 24'11"
Stick _____ 8'10"

Attachments

LaBounty RDG 60 Grapple
Capacity _____ 1.75 yd³
Weight _____ 3,500 lbs
LaBounty MSD 2000R-SL Shear
Jaw Opening _____ 28in / 711mm
Weight _____ 10,400 lbs
Magnet _____ 67"

Liebherr Construction Equipment Company
4100 Chestnut Avenue, Newport News, VA 23607
PH: 757-245-5251, Fax: 757-928-8701
www.liebherr.com E-Mail: info.lce@liebherr.com