

NORTON
SAINT-GOBAIN

Rapid
PREP™ XHD



CASE STUDY #1

Norton Rapid Prep XHD Coarse
5" and 7" Hook & Loop Discs

APPLICATION: **LIGHT WELD AND BLENDING** | MARKET: **INDUSTRIAL**

THE CUSTOMER'S CHALLENGE

This company has been using multiple products and steps in their final prep of firetruck ladders before being mounted. Their operators must use wire brushes, fiber and non-woven discs, and a hammer and chisel to clean all welded areas. The incumbent non-woven discs were leaving smear on the ladders creating secondary steps in removing the smear marks. And the competitive discs were not lasting due to edge wear. The Norton product engineer was asked for a solution to remove steps in the process and reduce or remove the smearing.

INCUMBENT INFORMATION

Discs: 5" and 7" Non-woven Light Grinding Coarse Disc with Hook & Loop and Medium Back-up Pad

MACHINE TYPE: Dynabrade 5" Model #50320 Air Disc Sander, Rated 8,000 RPM
Cleco 7" Model #9173M Air Disc Sander, Rated 12,000 RPM

vs.

NORTON RAPID PREP XHD INFORMATION

Norton Discs: 5" and 7" Rapid Prep XHD Light Grinding Coarse with Hook & Loop backing and Medium Back-up Pad

MATERIAL TYPE: Aluminum – 28' Aluminum Ladders

Norton Disc Achievements

Operators were impressed with the life and cut rate of the Rapid Prep XHD Coarse disc. Operators commented the Norton discs had a smoother flow, cuts were faster than the incumbent discs, and the Rapid Prep XHD discs lasts longer with good edge fray resistance. The ladders have large welds at the end that required the operator to use a fiber discs. The incumbent non-woven disc was not able to remove the weld without destroying the entire disc. They were able to remove the weld in less than 10 seconds with a used XHD and still had additional life on the disc. Performance overall was 2 to 1 in life and 26% faster cut versus the incumbent discs without smearing.



FORM #8704

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CASE STUDY #2

Norton Rapid Prep XHD Coarse
7" Hook & Loop Discs

APPLICATION: **WELD GRINDING AND SURFACE BLENDING** | MARKET: **INDUSTRIAL**

THE CUSTOMER'S CHALLENGE

Manufacturer builds railroad locomotive engines for the transportation system. Current application is weld removal and blending for final prep before paint. Today the company is using two suppliers and three products on three different areas of the cab.

INCUMBENT INFORMATION

Discs: 7" 60 Grit Fiber Discs x 5
3" Non-woven Quick-Change TR Stripping Disc x 1
7" Non-woven Light Grinding Coarse Disc with Hook & Loop Backing and Medium Back-up Pad x 2

MACHINE TYPE: Various Dynabrade Machines

vs.

NORTON RAPID PREP XHD INFORMATION

Norton Discs: 7" Rapid Prep XHD Light Grinding Coarse Disc with Hook & Loop and Medium Back-up Pad x 4

Norton Disc Achievements

Disruptive performance observed as the Norton Rapid Prep XHD Coarse discs reduced current operational steps to a single step in three application areas. The back of the cab replaced three products in three different steps into a single Norton Rapid Prep XHD product and step. The side of the cab is normally two steps with two different products that were reduced to one using only the Norton Rapid Prep XHD. And the front of the cab was changed to the Norton Rapid Prep XHD disc in a single step process with a better finish, without smear, and lasted up to 2x – 4x longer than the incumbent disc.



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