



Niles Industrial Coatings Uses High-Pressure Water Blasting to Remove Failed Coatings

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Niles Industrial Coatings recently documented field work in which a crew applied high-pressure water blasting at 40,000 PSI to remove an existing failed coating system from an industrial asset. The activity represents a specific application of the company's published hydro-blasting capabilities, which include hydro blasting up to 40,000 PSI as listed among its industrial cleaning and surface-preparation services. The documented work focused on the physical removal of the existing system rather than on any subsequent restoration steps.

Coating removal occupies a distinct place within industrial restoration. An existing coating system that has reached the end of its service life no longer provides the intended barrier function, yet the substrate beneath remains in place and must be assessed once the failed material has been taken off. Removing the coating therefore constitutes a separate stage of work whose purpose is to expose the surface so that its actual condition can be evaluated before any decision is made about repair, recoating, or other treatment. The process does not itself determine what the next stage will be; it only makes that determination possible.

High-pressure water blasting was the method employed in the documented activity. The official services page of Niles Industrial Coatings lists hydro blasting up to 40,000 PSI among the company's cleaning services,

and the field work applied that published capability to the failed coating system. The pressure used in any given application is selected according to the characteristics of the surface and the requirements of the particular scope of work. The 40,000 PSI figure recorded for this activity does not indicate that the same setting is applied across all projects or that the highest available pressure is appropriate for every substrate.

Coating removal and the subsequent application of a replacement or restored system are sequential but independent stages. Once the failed material has been removed, the exposed surface must be inspected to establish its condition and to identify any preparatory work that the next stage will require. The condition of that surface, together with the performance requirements of the asset and the specifications of the chosen coating system, governs what follows. No assumption is made in advance that a particular coating will be reapplied or that the surface will be ready for immediate recoating after blasting.

Surface preparation performed during coating removal establishes the foundation for whatever treatment is later specified. The high-pressure water-blasting activity documented by the company cleared the existing failed system and thereby created the conditions under which field inspection of the substrate could take place. The official website also lists abrasive blasting, dustless media blasting, industrial painting, specialty coatings, and tank and vessel linings among the company's services. These capabilities are available when the scope of work extends beyond removal, yet each remains a separate operation whose selection depends on the findings of the inspection that follows coating removal.

The documented water-blasting work forms part of Niles Industrial Coatings' broader industrial services. In addition to hydro blasting, the company performs abrasive blasting with various media, dustless media blasting, industrial painting, specialty and protective coatings, fireproofing, and mechanical restoration. These services are executed by self-performing crews and are applied across industrial and commercial facilities. The presence of multiple preparation and application methods allows the company to address the range of conditions that may be encountered once an existing coating has been removed, without requiring that any single method be used in every case.

Field observation during the removal stage supplies the information needed to define the remaining work. In the documented activity the crew used high-pressure water blasting to take off the failed coating system, after which the exposed surface became available for inspection. The official sources do not record specific findings such as the presence or absence of corrosion, contamination, or substrate damage on the asset in question. The operational value of the removal stage lies in the fact that it makes such observation possible rather than in any predetermined conclusion about the condition of the surface.

"Removing an existing failed coating system is a discrete stage of the restoration process," said Ryan Niles, Chief Executive Officer of Niles Industrial Coatings. "The purpose of that stage is to expose the surface so that its actual condition can be evaluated. Only after that evaluation is complete can the appropriate next

steps be determined. The method chosen for removal must fit the asset and the requirements of the work, and the results of the removal must be observed before any further treatment is specified.?

The company's restoration capabilities extend beyond the removal stage documented in the field activity. Official service listings include protective coatings, industrial roof restoration, mechanical HVAC restoration, fireproofing, tank and vessel linings, floor coatings, and industrial cleaning. These services may be applied once the condition of the exposed surface has been established and the scope of subsequent work has been defined. The documented high-pressure water-blasting activity illustrates one method of coating removal within that larger set of capabilities.

?Field execution of coating removal requires continuous observation of the surface as the existing system is taken off,? said Tom Cummings, President of Niles Industrial Coatings. ?The condition revealed during removal determines whether additional preparation is needed and what form that preparation should take. Inspection at that point connects the removal stage to the rest of the restoration scope without assuming that any particular outcome will follow.?

The documented activity therefore illustrates the use of high-pressure water blasting for industrial coating removal as a defined stage of industrial restoration. The work removed an existing failed coating system from an industrial asset and thereby enabled subsequent evaluation of the exposed surface. No claim is made that the overall restoration was completed, that a particular coating system was later applied, or that any measured improvement in performance or reduction in cost resulted from the removal step itself. The activity remains limited to the removal stage and to the published hydro-blasting capability employed in that stage.

Niles Industrial Coatings is a nationwide industrial asset restoration provider specializing in protective coatings, industrial roof restoration, and mechanical restoration. The company serves industrial and commercial facilities across the United States through certified self-performing crews and established safety practices. Its services also encompass industrial painting, blasting, fireproofing, tank and vessel linings, floor coatings, and industrial cleaning, applied according to the requirements of each project.

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Niles Industrial Coatings, LLC

Niles is an asset management and restoration company in Fenton, MI. We are nationwide leaders in safety and specialize in coatings, roofing, and technology. Our mission is to unlock potential while protecting your most critical assets.

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