

Federal Wage System Job Grading Standard For Preservation Servicing, 7006

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WORK COVERED

This standard is used to grade the nonsupervisory work involved in preserving mechanical and metal items, and large, powered mechanical systems, vehicles, craft, and weapons against corrosion, deterioration, and similar damage, and performing related disassembly and assembly. Fighter planes, combat tanks, automobiles, ships, trucks, engineering equipment, engines, transmissions, weapons and combustion powered generators are examples of the mechanical equipment processed. The work covered typically requires:

- Knowledge of various types and uses of preservatives which protect metal and material against corrosion and deterioration;
- Skill in applying preservatives using specialized equipment and processes;
- Ability to partly disassemble and assemble a variety of mechanical systems or equipment;
- Ability to learn and precisely follow a variety of detailed processing instructions, and, at some levels, use judgment in planning work sequences and selecting processes.

WORK NOT COVERED

This standard does not cover that primarily involves:

- Overhauling, rebuilding, troubleshooting, and repairing automotive vehicles, heavy mobile equipment, aircraft, powered ground equipment and related systems such as engines and transmissions. (See appropriate Job Grading Standards such as: [Automotive Mechanic, 5823](#); [Heavy Mobile Equipment Mechanic, 5803](#); [Aircraft Mechanic, 8852](#); [Aircraft Engine Mechanic, 8602](#); and, [Powered Support Systems Mechanic, 5378](#).)
- Cleaning equipment by washing, buffing, grinding, wiping, etc. (See [Job Grading Standard for Equipment Cleaning, 7009](#).)
- Troubleshooting and repairing small arms and artillery. (See [Job Grading Standard for Small Arms Repairing, 6610](#) and [Artillery Repairing, 6605](#).)
- Cleaning or preparing surfaces by blasting with metal, agricultural, aggregate, glass, or other abrasives. (See [Job Grading Standard for Sandblasting, 5423](#).)
- Constructing and installing blocking and bracing. (See [Job Grading Standard for Blocking and Bracing, 4602](#).)

- Inserting items into containers, wrapping items, cushioning items, and other packing primarily to prevent damage from crushing and soiling. (See [Job Grading Standard for Packing, 7002.](#))
- Making wooden boxes, crates, containers, pallets. (See [Job Grading Standard for Wood Working, 4604.](#))

TITLES

Jobs covered by this standard are titled *Preservation Servicer*.

GRADE LEVELS

This standard describes work at grade 5 and grade 7. If jobs differ substantially from the level of skill, knowledge, and other work requirements described for these grades, they may be graded at levels other than those described based on the application of sound job grading methods.

NOTES TO USERS

Mixed Jobs: This standard only covers preservation servicing work. However, jobs involving preservation servicing work often include performance of the work of other occupations such as jet engine assembly, troubleshooting, and repair; custom crating; custom painting; rigging; automotive repair; and heavy mobile equipment repair. The grade levels of such other work must be determined by use of applicable standards such as those previously listed in the [WORK NOT COVERED](#) section of this standard. Such mixed jobs should then be coded, titled, and graded using the applicable [policies and instructions for mixed jobs](#) in the Introduction to the Federal Wage System Job Grading System.

When the preservation servicing work of a mixed job is at the same grade level as the work performed in other occupations, such a mixed job should be coded, titled, and graded as Preservation Servicer if the preservation servicing work is predominant in terms of the total job, management's reasons for establishing the job, or career ladder considerations.

PRESERVATION SERVICER, GRADE 5

General: Grade 5 preservation servicers use a limited variety of basic equipment, preservation techniques to preserve parts, surfaces, and equipment from corrosion and deterioration by wiping, dipping, spraying, brushing, pumping, and similarly applying oils, powders, desiccants, mists, drying agents, moisture absorbers, and similar agents. They typically perform limited assembly and disassembly of items to remove external parts for shipment and storage purposes, to gain entry to easily accessible areas to apply or insert preservations, or to facilitate the processing of disassembled parts. Grade 5 servicers follow oral and written instructions or routine, recurring practices in determining the techniques,

equipment, and preservatives to use and the general procedure, method, or sub-method to follow.

Skill and Knowledge: Grade 5 preservation servicers characteristically apply knowledge and ability comparable in difficulty to two or more of the following:

- Skill in preserving vehicles and mobile equipment by draining, flushing, and preserving fuel tanks; replacing oil, radiator, and other fluids with types designated for destination or storage and applying special grease, oil, and other preservatives to designated surfaces; and, in some jobs, ability to start engines and move vehicles a few feet for processing purposes.
- Skill in partially disassembling mechanical items, e.g., breaking them down to a few components or removing external parts such as cover plates, external fuel tanks, air cleaners, and other easily accessible parts by removing nuts, bolts, screws, and holding devices; replacing similar items; and adjusting belts.
- Skill in wiping, brushing, dipping, hand pumping, limited spraying, and similarly applying preservatives.
- Ability to select and apply a variety (for example, 10-15) of preservatives to parts and surfaces such as loose metal items, bearings, electric motors, hand operated manual and power tools, and similar items, including use of drying agents desiccants, moisture indicators, and moisture and vapor barriers.
- Ability to determine necessary standard corrosion removal, cleaning, fingerprint removal, or other treatment required prior to or during application of preservation.
- Skill in operating a few immersion treatment vats or tanks, using knowledge of immersion times and temperatures for metal items.

Responsibility: Grade 5 preservation servicers work from oral or written instructions which specify the methods to follow and require limited planning of work sequences and details. Grade 5 workers are expected to use both memory and ability to read codes, charts, and manuals to look up to double check the proper preservatives and servicing requirements. They receive specific, complete instructions on new or changed processes. Grade 5 servicers are relied upon to complete their assigned processing at a productive work pace, subject to occasional spot check and customer comments.

Physical Effort: Grade 5 preservation servicers continuously lift and handle items weighing up to 11 kilograms (25 pounds) and occasionally up to 18 kilograms (40 pounds). They receive assistance or use mechanical devices when lifting heavier items. Grade 5 preservation servicers typically stand and work on concrete or asphalt for long periods. They continuously bend, reach, and use hand and arm dexterity.

Working Conditions: Grade 5 preservation servicers typically work inside in areas that are occasionally hot, cold, damp, or drafty, but may work outside. They are subject to the following conditions: occasional exposure to dangerous or irritating fumes or vapors, acids or caustic substances; frequent exposure to dust, dirt, oil, grease, and similar materials which may soil hands or clothing; frequent exposure to possible cuts and scrapes; and moderate noise. They may sometimes be required to wear protective equipment such as gloves, respirators or aprons.

PRESERVATION SERVICER, GRADE 7

General: Grade 7 preservation servicers use moderately complex techniques to preserve equipment comparable to one or more of the following:

- Complete (external) aircraft;
- Complete (external) automotive, combat, engineering or similar vehicles; or their (internal) engines and fuel systems;
- Full range of mechanical systems on ships in storage;
- Varied small arms and artillery assemblies; and/or
- A wide variety of mechanical equipment such as gas, diesel, and multi-fuel engines, combustion powered generators; transmissions; compressors; shop machinery; and similar equipment, requiring familiarity with external, mechanical parts in order to perform partial disassembly for preservation purposes.

In comparison to work at grade 5, grade 7 work is performed more independently, involves use of more complex preservation techniques (for example, spraying of multiple, strippable coatings; fogging of engines and fuel systems), and involves more extensive disassembly and assembly.

Skill and Knowledge: Grade 7 preservation servicers apply, in addition to the knowledge, skill, and abilities described at the grade 5 level, knowledge and abilities comparable in difficulty to two or more of the following:

- Knowledge of the uses and general appearance characteristics of numerous types of preservatives, e.g., petroleum-based preservatives; strippable, multi-layer plastic coatings; various powders; drying agents, mists, moisture barriers, desiccants, moisture indicators; and preservatives which require mixing, thinning, and care in applying because of acid and caustic properties.
- Skill in the use of moderately complex preservative application techniques such as: hook-up and use of powered misting or fogging devices, spraying techniques for applying strippable coatings, or spraying and baking heat resistant coatings.

- Skill in selecting and applying numerous types of preservatives to a wide variety of types of equipment, surfaces, and materials.
- Skill in disassembly and assembly of mechanical systems and equipment, comparable to extensive disassembly and assembly of rifles, revolvers, machine guns, and small arms (for application of preservatives) or partial disassembly of various mobile equipment, engines, generators,
- Skill in disassembly and assembly of mechanical systems and equipment, comparable to extensive disassembly and assembly of rifles, revolvers, machine guns, and small arms (for application of preservatives) or partial disassembly of various mobile equipment, engines, generators, transmissions, etc., to gain access to internal parts, such as bearings, cylinders, and fuel lines, to apply preservatives.

Responsibility: Grade 7 preservation servicers work from oral or written instructions indicating the items to preserve and type or purpose of the preservation work. They are expected to select proper tools, equipment, processes, and preservatives; plan best work sequences; use judgment and care in applying proper type and amount of preservative, and in avoiding damage caused by coating wrong parts, coating too thin, dripping, etc. Although their work is subject to spot checks and inspections, grade 7 servicers are relied upon to fully and properly complete all required preservation.

Physical Effort: Physical effort at this grade is generally the same as that described at the [grade 5 level](#). However, some grade 7 jobs require servicers to work in awkward positions or on ladders for prolonged periods.

Working Conditions: Working conditions at this grade are generally the same as those described at the [grade 5 level](#). However, some jobs at this level involve more frequent exposure to the adverse conditions described at grade 5.