**Application**

**Selection and application of coating or surface modification for the part (hereinafter the object)**

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| 1. | Customer Company Name (location, website address). |  |
| 2. | Company representative filling out the application (last name, first name, position, phone, email). |  |
| 3. | Brief formulation of the problem related to the purpose of applying the coating or surface modification (the task for which the Customer requests a commercial offer on price and completion time). |  |
| 4. | Basic information about the object: |  |
| 4.1. | Object name and properties (material, dimensions, weight, hardness, roughness, etc.). The Customer must provide a drawing of the object. |  |
| 4.2. | Name of the product containing the object. |  |
| 4.3. | Approximate number of objects for coating, strengthening, modification, restoration, repair currently. |  |
| 4.4. | Approximate number of objects for coating in operation. |  |
| 4.5. | Basic technological operations for manufacturing the object (casting, forging, stamping, welding, machining, heat treatment, coating application, etc.). |  |
| 4.6. | Operating conditions of the object (temperature, environment, material of contacting part, loads, lubrication type, abrasives, rotation speed, friction type, etc.). |  |
| 5. | Object wear characteristics (changes in geometric dimensions, shape, adhesion, scoring, erosion, cavitation, corrosion, fretting corrosion, uniform wear, defective zones, etc.). |  |
| 6. | Existing wear diagnostic methods in the company related to the object. |  |
| 7. | Object wear criterion for rejection or replacement accepted by the Customer company (allowable wear rate, number of parts produced using the object, object service life with existing manufacturing technology, etc.). |  |
| 8. | Object service life without coating, strengthening, modification, restoration, repair, sharpening, or replacement (completely new). For tooling or equipment - object durability value with the number of produced items indicated. |  |
| 9. | Cost of acquiring a new object at the moment. |  |
| 10. | Company's solutions for low object durability problems (applying coatings or restoration in-house, using contractor services, purchasing and replacing with a new object). |  |
| 11. | Company's coating, strengthening, modification, restoration, repair application technologies (related to the object), object durability period using the technology. Cost of applying coating, strengthening, modification, restoration, or repair to the object using the technology. |  |
| 12. | Planned number of objects for applying new coating, strengthening, modification, restoration, or repair per year. |  |
| 13. | Desired effect from using the coating, strengthening, modification related to the object (increased performance, use of environmentally friendly process, long-term durability, no adhesion, etc.). |  |
| 14. | Testing methods for the object, models, witness samples when testing the coating, strengthening, modification (natural, bench tests, determination of physical-mechanical and tribological properties, etc.) and criteria for evaluating a positive test result. |  |