Certificate No: LR2011421REP

Issue Date: 18/08/2020

Expiry Date: 17/08/2023

Certificate Of Thermal Spraying Approval

Manufacturer	**Thermal Spray Solution, Inc**
Address	1105 International Plaza, Suite B, Chesapeake, VA, 23323, United States
Process	HVOF

Company Reference No: 0058. This certificate is issued to the manufacturer named above who has been approved in accordance with the requirements of Lloyd's Register for the reclamation by thermal spraying of specified components using the above process.

Scope of Approval	**Thermal spraying coating using HVOF spraying of engineering components.**

This approval is subject to compliance with the requirements of Lloyd's Register. Each application is to be separately approved by Lloyd's Register and carried out to the satisfaction of the Surveyor.

Lloyd's Register will consider thermal spraying for surfacing applications to improve resistance to wear and corrosion, and to restore worn or inaccurately machined parts to original dimensions. Approval is based, however, on the condition that no dependants is placed on the coating for tensile or torsional strength and that machined preparations do not reduce dimensions below Rule requirements.

Lloyd's Register is to be notified of any change of plant, formulation or quality control routines introduced during the validity of this Certificate.

This Certificate is issued to the above company and, subject to regular audits to ensure continued implementation of the thermal spraying procedures and quality system, is valid until the date given above.

Downloaded Copy

APPROVED

Clive Arnold

Senior Metallurgist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.