



**CERTIFICATE of
MAINTENANCE FUNCTIONS**

confirming acceptance of the maintenance system within the European Union and the
Signatory States in conformity with the

COMMISSION IMPLEMENTING REGULATION (EU) 2019/779 of 16th May 2019

OTIF/EU IDENTIFICATION NUMBER (EIN)

CH/32/0221/7366

1. CERTIFIED ORGANISATION

Legal designation:	Vossloh Locomotives GmbH Baerler Str. 100 47441 Moers - Germany	Acronym: --
National registration number:	HRB 3247	VAT No: DE811151773

2. CERTIFICATION BODY

Organisation:	SCONRAIL Ltd, Zuercherstrasse 41, 8400 Winterthur		
Country:	Switzerland	EIN Number:	CH/30/0221/0001

3. CERTIFICATE INFORMATION

This is a	- new certificate	<input checked="" type="checkbox"/>	EU Identification Number (EIN) of previous certificates:
	- renewed certificate	<input type="checkbox"/>	
	- updated/amended certificate	<input type="checkbox"/>	
Valid from: 22.04.2021		To: 21.04.2026	
Type of company: (railway undertaking, keeper, etc.)		Keeper, maintenance supplier, manufacturer	

4. SCOPE OF ECM ACTIVITIES

Category of vehicles: (Freight wagons, internal combustion engines and/or electric multiple units, - internal combustion engines or electric traction units, - passenger coaches and - mobile equipment for the construction and maintenance of railway infrastructure)	Internal combustion engines
Covers wagons specialised in transport of dangerous goods	No

5. MAINTENANCE FUNCTIONS

	Yes	partial	No
Maintenance development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fleet maintenance management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maintenance delivery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. ADDITIONAL INFORMATION

Basis is the SCONRAIL audit report No. ECM-3765 / Scope of inspection see page 2			
Issue date	22.04.2021		
Internal reference number		Signature:	
SRL.535.00 / ECM-7366	Fo 607, V7.0		J. Raubold



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5a. SCOPE OF INSPECTION

Product group in accordance with EN 15380	Maintenance Level				
	1	2	3	4	5
Vehicle body: Side walls, Roof, Head of vehicle, Weld-on/add-on parts, Intermediate floor, Partitions	X	X	X	X	X
Vehicle fitting out: Window, Floor, Interior panelling, Partitions, External additions, Vehicle paintwork, Insulation	X	X	X	X	X
Interior appointments: Rails, handles (inside), Seats, sleeping berths, tables, Sanitary facilities, Luggage racks, Additional devices	X	X	X	X	X
Running gear: Supporting structures, Wheelsets, Suspension, damping, balancing gear, Driving systems (active), Driven systems (passive), Safety add-ons	X	X	X	X	X
Power system, drive unit: Power supply, Power generation, Power conversion, Power dissipation, Power storage	X	X	X	X	X
Control apparatus for train operations: Power supply controls, Driving and brake controls, Power generation controls, System data acquisition, Power storage controls	X	X	X	X	X
Auxiliary operating equipment: Converter equipment, Battery device, On-board supply system, Cooling unit for power and drive systems, Emergency power generators	X	X	X	X	X
Monitoring and safety equipment: Measuring and protective devices, Indicating, recording, display devices, Safety equipment, Data transmission devices, Communication equipment, Miscellaneous equipment	X	X	X	X	X
Lighting: Exterior lighting equipment, Interior lighting equipment	X	X	X	X	X
Air conditioning: Intake/evacuation of air, Treatment, Distribution, Regulation	X	X	X	X	X
Ancillary operating equipment: Sanding equipment, Lubricating equipment, Points operating equipment, Ticket machines, Passenger counting device	X	X	X	X	X
Doors, entrances: External doors, Internal doors, Entrances, steps (not inside), Entrances for the disabled	X	X	X	X	X
Pneumatic/hydraulic equipment: Generation, Treatment, Storage, Distribution	X	X	X	X	X
Brake: Brake components, Mechanical brake force transmission	X	X	X	X	X
Vehicle linkage devices: Automatic coupling devices, Manual coupling devices, Buffing gear, Towing gear (emergency couplings), Gangways/gangway facilities, Vehicle-vehicle interface for media, signals, power	X	X	X	X	X
Carrier systems, enclosures: Cabinets, boxes, containers, Frames, boards, Control and display units, Electronic rack systems	X	X	X	X	X
Electrical wiring: Cables, conductors and bars, Marking and connection material, Connecting material, Bushings, Cable ducts, pipes and flexible tubes	X	X	X	X	X



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Applied procedures	
Welding in accordance with: EN 15085	X
Bonding in accordance with: DIN 6701	X
Non-Destructive Testing in accordance with: ISO 9712	X