

OnTrak-Jet - High Pressure Water Jetting System designed for railways



Railway Networks throughout the world suffer from the problems of track degradation as a result of nature's hand and if not dealt with on a regular basis can lead to substantial costs in repairs and replacement.

The problem

- 1. Rail head contamination due to leaf mould / lichen during the Autumn season leading to braking and conductivity between rail and track problems with the result of non-control of locomotive/train set and associated signaling equipment.**
- 2. Gully and drain blockage resulting in flooding and leading to track instability and in some cases subsidence.**

Both cases have the potential for loss of life.

The solution

The Cowans Sheldon OnTrak-Jet and OnTrak-Vac equipment designed by railway people for railway people. The equipment is designed as a modular interchangeable system to provide maximum flexibility and cost effective utilisation required of a modern railway network with safety as the principle consideration.

The applications for the equipment

- High output high pressure jetting of rail heads to remove leaf mould and other contaminants
- Up to 10 hours continuous operation of the railhead modules (based on fuel capacity of the pump unit)
- High and low pressure drain clearance to suit the type of piping being clearance (concrete, pot or polyurethane)
- High Capacity, high volume Gully clearance
- Station platform cleaning using high pressure multi-jetting station with hand held lancing and rotary scrubbers
- Building and trackside equipment jetting
- On-track plant washing
- De-scaling pipe-work
- Graffiti removal
- Tunnel cleaning using jetting hoops
- High mist dust and fire suppression for tunnels and other uses
- Can be used as a fire tender for trackside bracken fires where normal fire appliances can't reach
- Other applications that we have not thought of yet



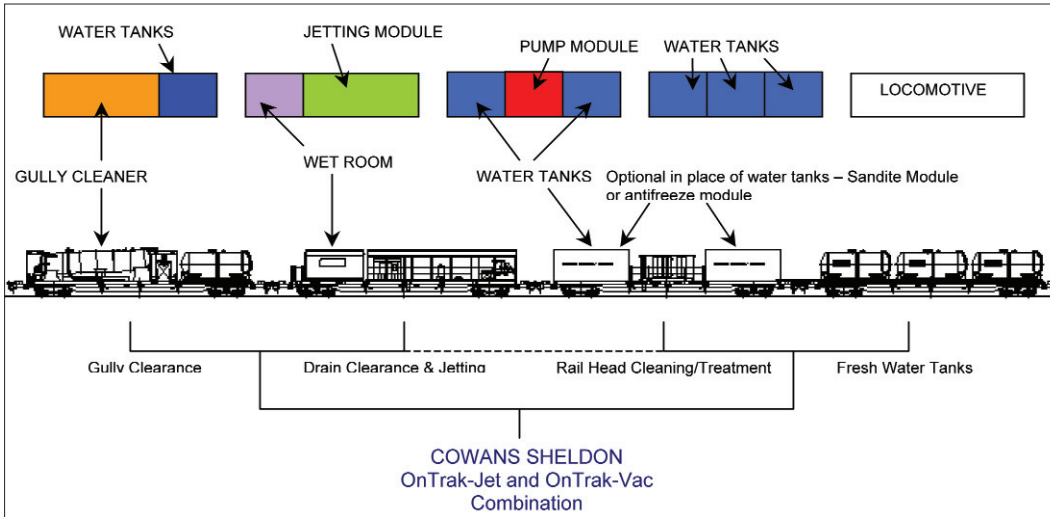
OnTrak-Jet - High Pressure Water Jetting System designed for railways

Because the system is a container based, no bespoke wagons are needed. The module can be removed from the wagons easily for transfer, maintenance or damage repair if required. Because it is rail based, it can go anywhere on the Network, even to those hard to get places.

At the heart of the OnTrak-jet, water jetting system is a diesel driven high pressure pumpset module delivering a massive 1000bar of cleaning pressure at 130 lpm for

modules provides a complete intrain solution.

The prime function for this equipment is railhead cleaning especially in the Autumn during the main leaf fall season where leaf mold effects traction and braking of on-track equipment and conductivity between track and wheel. The system has proven itself to be most effective and reliable being used on the UK infrastructure by Network Rail.



Railhead Cleaning, and with various pressure reduces can undertake drain clearance and general cleaning with hand held lances, and other water spraying activities, even putting out trackside fires if the need arises with the added jetting module, and in order to utilise the pumps set effectively, 17000 litre fresh water tank

The in-train concept to fulfil full utilisation of all the equipment

COWANS SHELDON



LANGLEY

A Langley Holdings Company

Whilst this information is given in good faith, no warranty or representation is given concerning such information, which must not be taken as establishing any contractual or other commitment binding upon The Clarke Chapman Group Ltd or any of its subsidiary or associated companies.

0504

Cowans Sheldon

Saltmeadows Road, Gateshead,
Tyne & Wear, NE8 1SW, England
Tel +44 (0)191 477 2271
Fax +44 (0)191 490 7603

www.cowanssheldon.co.uk

A division of The Clarke Chapman Group Ltd