

VOLVO CONSTRUCTION EQUIPMENT PAVING APPLICATION COURSE

AGENDA

OBJECTIVE: To teach those persons with responsibility for the operation or management of paving equipment to correctly and safely utilise a paver finisher to its fullest potential and achieve the highest quality work without sacrificing production or increasing costs.

DAY 1

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| 12.00 -12.-45 | Buffet Lunch – Course assembles - Meet the staff |
| 12.45 -13.30 | Introduction to the course
Crew assessment
'What's in it for me?'
Safety during training course - statement |
| 13.30 – 14.15 | Machine walk around |
| 14.15 – 15.15 | Paving Principles
How the paver works
The forces that influence the screed performance |
| 15.15 – 15.30 | Break |
| 15.30 – 17.00 | Paving Principles /Cont'd
Best practices in controlling those forces
Crew Duties |

DAY 2

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|---------------|--|
| 08.30 – 08.45 | Review Day 1, Q & A |
| 08.45 - 10.00 | Preparing the Paver and Screed for Work (Hands-on)
Daily maintenance
Screed checks
Screed Heating
Paver set-up |
| 10.00 – 10.15 | Break |
| 10.15 – 12.00 | Practical Paver Operation (Hands-on)
Achieving correct levels using manual controls
Screed running adjustments
Joint matching |
| 12.00 – 12.45 | Lunch |
| 12.45 – 16.00 | Practical Paver Operation /Cont'd (Hands-on)
Introduction to and using automatic level controls
Joint matching
End of shift maintenance |
| 16.00 – 17.00 | Material Management
Maintaining the structural integrity of the mix as it passes through the paver |

DAY 3

08.30 – 08.45	Review Day 2, Q & A
08.45 – 10.00	Practical Paver Operation /Cont'd (Hands-on) Laying using auto level controls (Topcon/Moba) Achieving correct grade & slope Joint matching
10.00 – 10.15	Break
10.15 – 12.00	Practical Paver Operation /Cont'd (Hands-on) Laying using auto level controls (Topcon/Moba) Achieving correct grade & slope Joint matching Team A versus Team B End of shift maintenance
12.00 – 12.45	Lunch
12.45 – 13.30	Achieving the Perfect Mat Typical mat faults Corrective action
13.30 – 14.15	Paving Safety Recognising unsafe work practices
14.15 – 14.45	Break
14.45 -15.40	Assessment & Review Multi choice question paper
15.40	Course Close

OUTCOME

At the end of the course the student will be able to:

1. PAVING SAFETY

Recognise the danger zones around a paver finisher and recognize unsafe working practices, thereby avoiding situations that might develop into accidents during training or future site employment

2. PAVING PRINCIPLES

Correctly and safely utilize a paver finisher to its fullest potential and to understand and demonstrate the methods of control for the various forces that influence the screed performance

3. SCREEDS & SCREEDING

Correctly and safely check over and set up an extending screed, prepare the screed for work and carry out 'On the Go' adjustments

4. ACHIEVING THE PERFECT MAT

Recognize the cause of a variety of mat faults and imperfections and take or advise on what appropriate action should be taken to correct these imperfections.

5. MATERIAL MANAGEMENT

Utilise or advise on the correct methods of managing the material flow through the paver that help to maintain the structural integrity of the mix.

6. JOINT CONSTRUCTION

Apply good practice in the construction of quality transverse and longitudinal joints to ensure soundness and density

7. AUTOMATIC GRADE & SLOPE CONTROLS

Identify all controls and state their purpose, install grade and slope components and operate to hold various levels. Identify faults and carry out crew adjustments and settings.

8. PAVER MAINTENANCE

Carry out those daily and weekly servicing tasks expected of an equipment operator or screed man and to monitor the equipment for fair wear and tear.