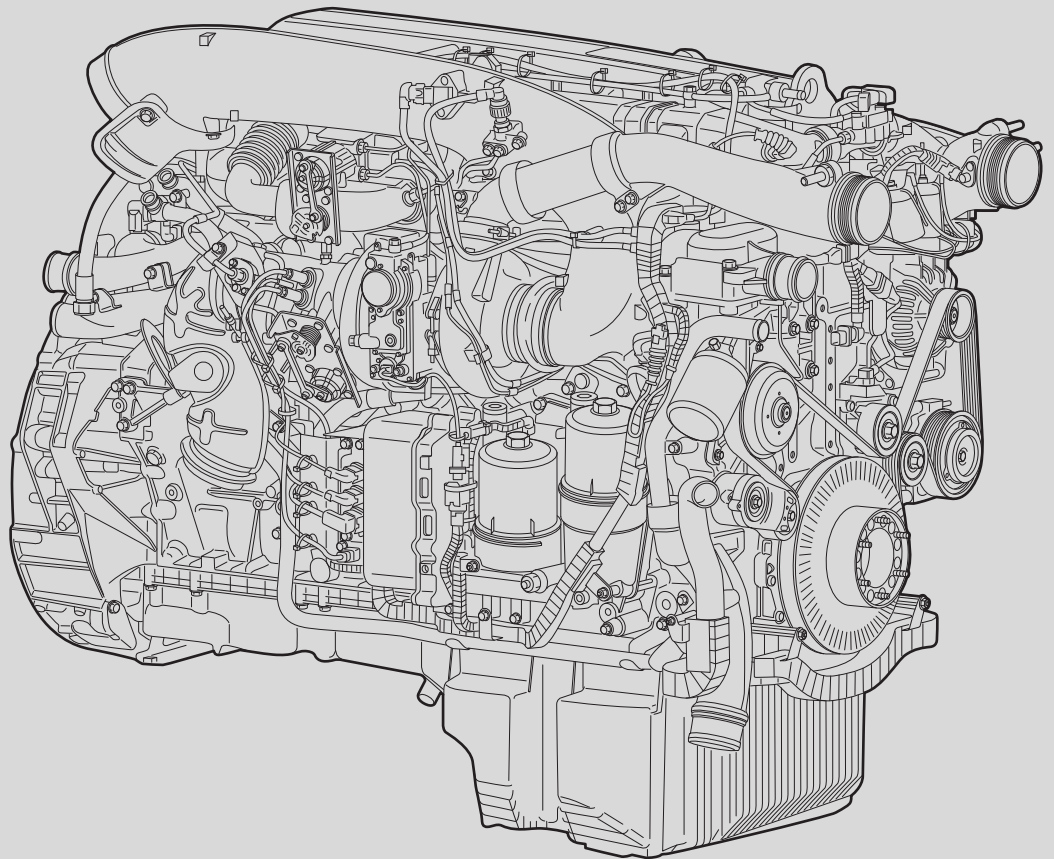


Trainee document MX-13 engine EN2/10



DAF

©201243 DAF Trucks N.V., Eindhoven,
The Netherlands.

In the interest of continuing product development,
DAF reserves the right to change specifications
or products at any time without prior notice.

No part of this publication may be reproduced
and/or published by printing, by photocopying, on
microfilm or in any way whatsoever without the
prior consent in writing of DAF Trucks N.V.

The content of this training material is solely
meant for training purposes and can therefore not
be used for actual "life" situations. The
information in this document is subject to
changes. For the correct chassis specific
technical data it is imperative to consult the
service documentation via Service Rapido.



STRUCTURE

| | |
|-----------------------|---|
| BASIC ENGINE | 1 |
| FUEL SYSTEM | 2 |
| AIR INLET AND EXHAUST | 3 |
| COOLING SYSTEM | 4 |
| LUBRICATION SYSTEM | 5 |

CONTENTS

| | Page | Date |
|---|-------------|-------------|
| 1. INTRODUCTION | 1-1 | 201243 |
| 1.1 General Information MX-13 engine | 1-1 | 201243 |
| 2. COMPONENTS | 2-1 | 201243 |
| 2.1 Electronic control unit PCI | 2-1 | 201243 |
| 2.2 Cylinder head and valve cover | 2-2 | 201243 |
| 2.3 Pistons and liners | 2-3 | 201243 |
| 2.4 Crankshaft and bearings | 2-5 | 201243 |
| 2.5 Camshaft | 2-7 | 201243 |
| 2.6 Gear train | 2-9 | 201243 |
| 2.7 Oil sump | 2-10 | 201243 |
| 2.8 Crankcase ventilation module (L090) | 2-13 | 201243 |



BASIC ENGINE

Contents

1

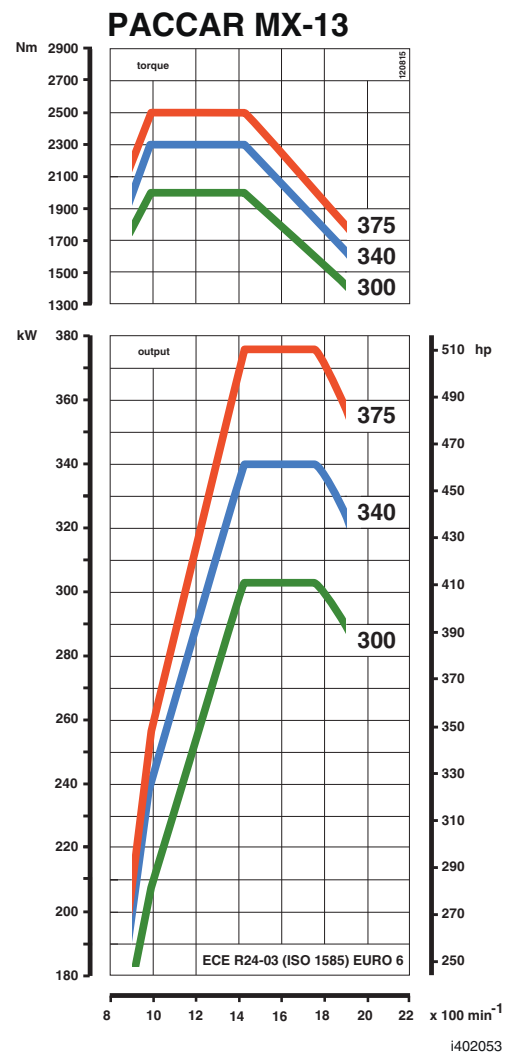
1. INTRODUCTION

1.1 GENERAL INFORMATION MX-13 ENGINE

The MX-13 engine is compliant with Euro 6- emission regulations. The MX-13 engine has the following technical layout:

- 6-cylinder in line
- 4 valves per cylinder
- Common Rail Diesel Direct Injection
- Exhaust Gas Recirculation (EGR)
- PCI engine control system (PACCAR Common Rail Injection)
- EAS-3 (Emission Aftertreatment System)
- VTG (Variable Turbo Geometry) with intercooling
- Bore & stroke 130 x 162 mm
- Displacement 12.9 ltr.
- Compression ratio 17.7:1
- Weight approximately 1260 kg.

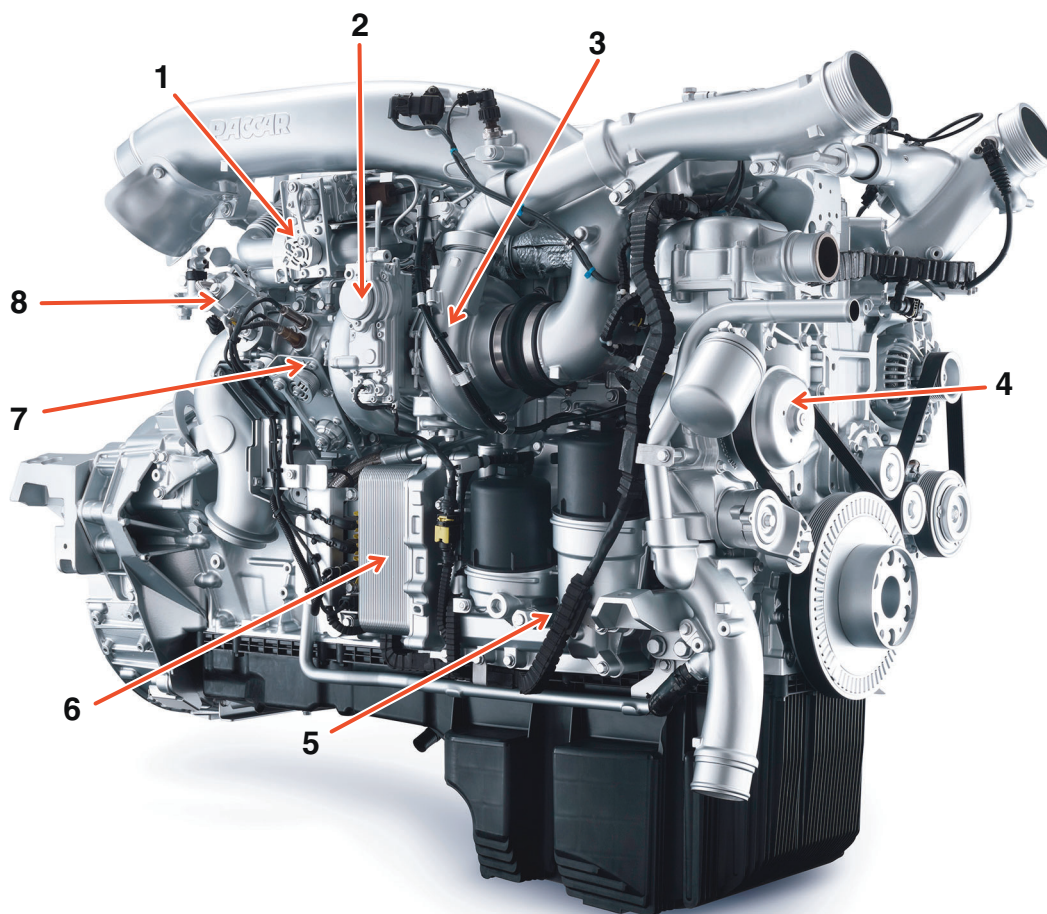
Figures may be dependent of vehicle configuration.



BASIC ENGINE

Introduction

1



i402147