

# 3000 Family, 4 cylinder engines

## 3054C-DITAAC - T2176, without balancer ISO / TR14396

**CATERPILLAR**

Perkins Engines Company Limited  
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Engine Model:

**3054C DITAAC**

Cert. Type:

2176/2200  
2176/2100  
2176/2000

Curve: T 2176

Issue: 2

Date: 20/5/02

Curve Number Prefix Indicates:

T Target C Gross Certification  
X Technology Release N Customer Net Rating  
A Production S Special Purpose

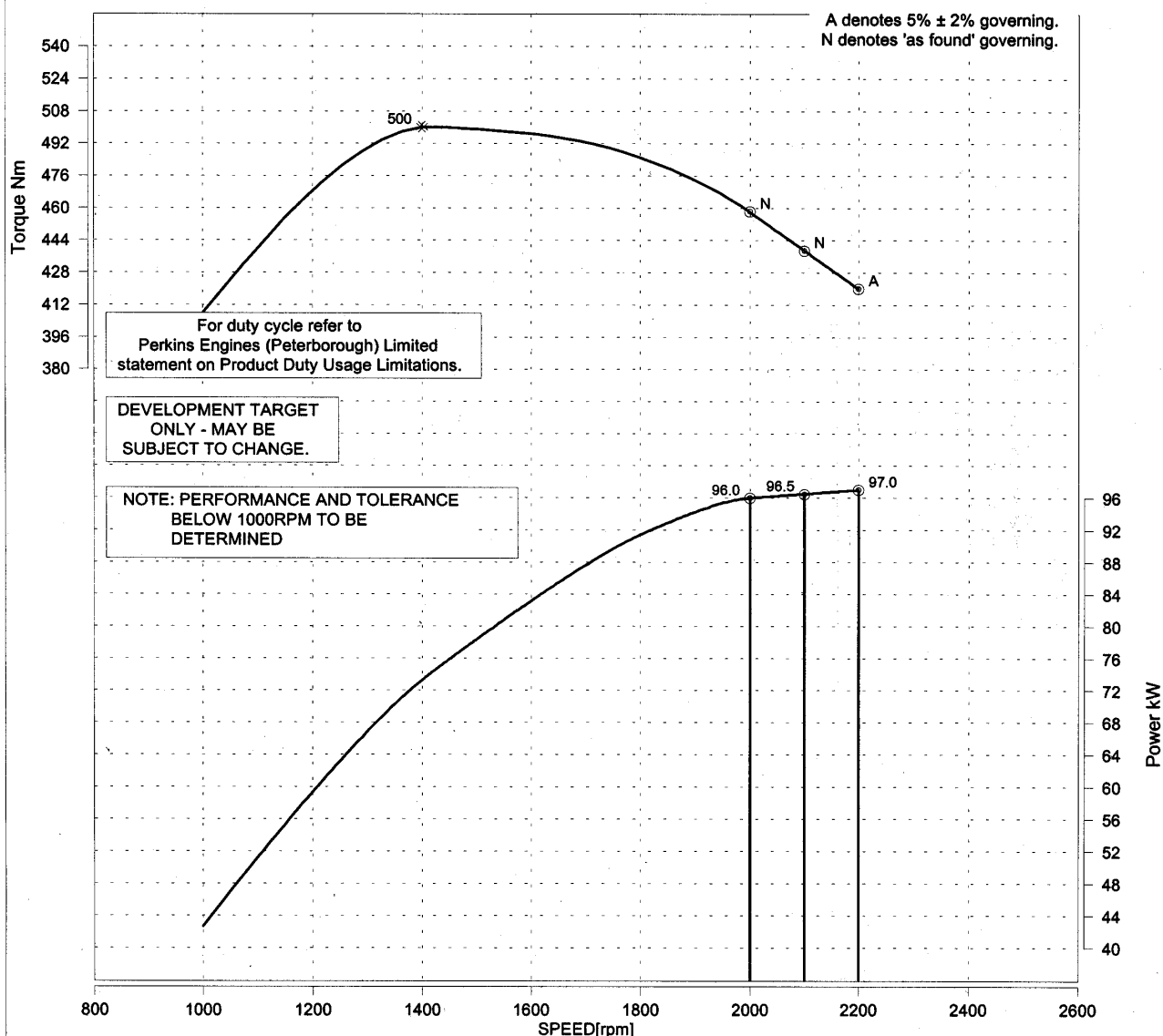
Aspiration Type : Turbocharged  
Configuration : Vertical In Line  
No. of Cylinders : 4

Bore : 105.0 mm  
Stroke : 127.0 mm  
Cubic Capacity : 4.400 litres  
Rating Code :

FUEL TYPE  
Fuel Specification  
Density (kg/l @ 15°C)  
Viscosity (mm²/s @ 40°C)  
Sulphur Content  
Cetane No.

Europe Off Highway  
CEC RF-75-T-96  
0.835 - 0.845  
2.5 - 3.5  
0.1 - 0.2  
45 - 50

USA FED Stage 2 Off H'way  
EPA 2D 89.330-96  
0.845 - 0.85  
2.0 - 3.2  
0.03 - 0.2  
40 - 48



### Rating Standard:

ISO/TR 14396  
Production Tolerance On Power Output +5%, -5%  
Total Barometric Pressure (kPa) 100  
Vapour Pressure (kPa) 1  
Air Inlet Temperature (°C) 25  
Max Inlet Restriction (kPa) See Sheet 2  
@ Max Rated Speed  
Max Exhaust Back Pressure (kPa) See Sheet 2  
@ Max Rated Speed

### Auxiliaries fitted to engine:

Alternator - off load.  
Balancer - not fitted.

### Exhaust Quality Target:

Smoke:  
Max power - max torque: <2.5 BSU.  
Max power - max torque: <2.5 BSU (ISO 8178 Part 9 77/537/EEC- Includes FAS.  
USA 40 CFR part 86 sub-part 1.  
ISO 8178 Part 9 Smoke Test.  
Emissions:  
97/68/EC Stage 2 - various cycles.  
USA 40 CFR part 89.112 Stage 2 - various cycles.  
ISO 8178 Part 9 Smoke Test.

Initiated by

Date

Accepted as Target by

Date

Issued By