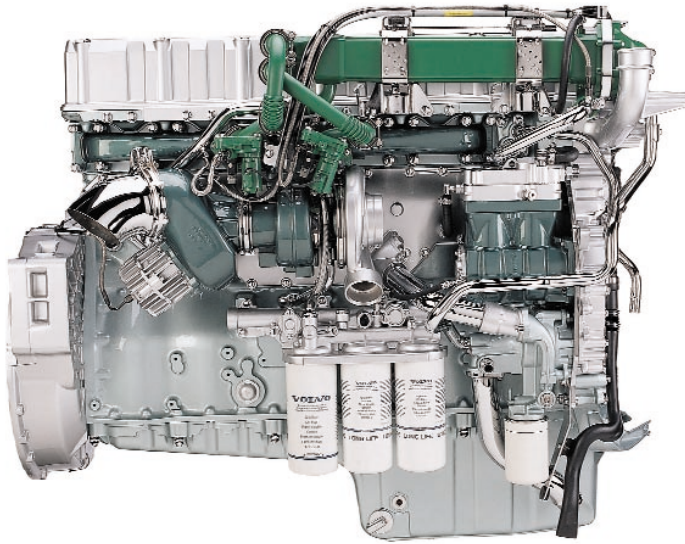


# VOLVO POWER VE D12 465



## SPECIFICATIONS

Model	Volvo VE D12 465 for VHD only
<b>Base Engine Configuration</b> Aspiration / intercooler Cam / valve configuration Cylinder head Injection system Electronic management system Displacement, cu in (L) Compression ratio Bore & stroke, in (mm) Dry weight, lb (kg)	4 cycle / inline 6 Turbocharged / air to air SOHC / 4 per cylinder One Piece Electronic Unit Injectors (EUI) VECTRO 02 740 (12.13) 17.3:1 5.16 x 5.90 (131 X 150) 2477 (1126)
<b>Engine Ratings, hp</b> Peak power hp / Peak torque lb ft Governed rpm (high idle) Recommended cruise range, rpm Start engagement torque lb ft	465 465 @ 1800 / 1650 @1200 2100 (2300) 1400 - 1600 627 @ 800
<b>Oil Service Intervals, etc.<sup>(1)</sup></b> Total oil change capacity, in qts (L) Number of oil filters Oil change: Severe duty, VDS-2 or EO-N Prem Plus oil Standard duty, VDS-2 or EO-N Prem Plus oil Extended oil drain, VDS-2 or EO-N Prem Plus oil only	39 (37) 2 full flow, 1 by-pass 12,000 miles / 19,000 km / 300 h 15,000 miles / 24,000 km / 400 h 25,000 miles / 40,000 km / 600 h
<b>Engine Equipment</b> Compressor (CFM) Exhaust pressure governor (EPG) EPG, Exhaust brake rating Preheater Engine compression brake VEB, Compression brake rating Engine brake weight, lb (kg) Side engine PTO Front Engine PTO	18.7 Standard 225 hp @ 2300 Available Available 350 hp @ 2300 25 (12) Available, 60 hp / 370 lb ft Available, 180 hp / 500lb ft
<b>Base Warranty<sup>(2)</sup></b> Major components Emission Components	24 months / 250,000 miles / 6,250 hours 60 months / 500,000 miles / 12,500 hours 60 months/ 250,000 miles / 6,250 hours 100% parts & labor
<b>Extended Warranty<sup>(2)</sup></b>	60 months / 500,000 miles / 12,500 hours Various parts & labor plans available



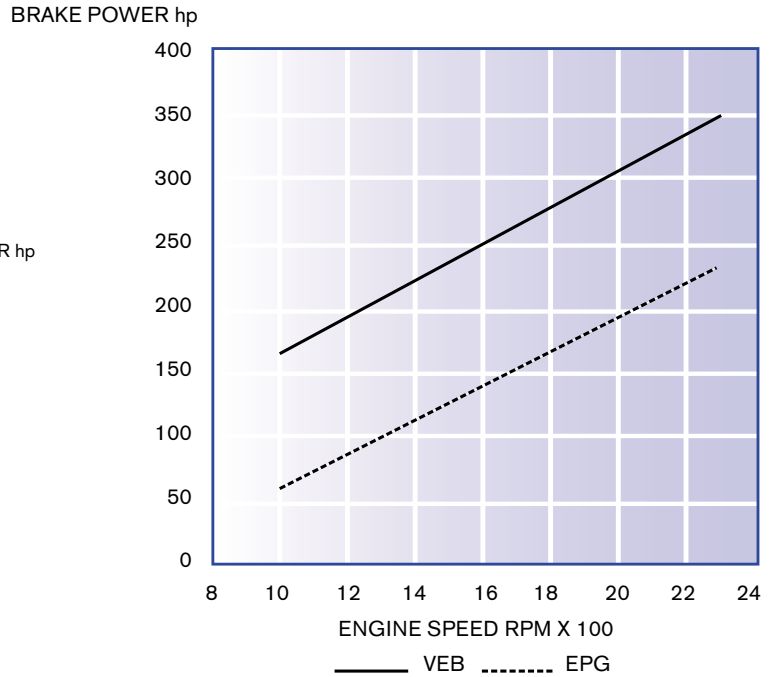
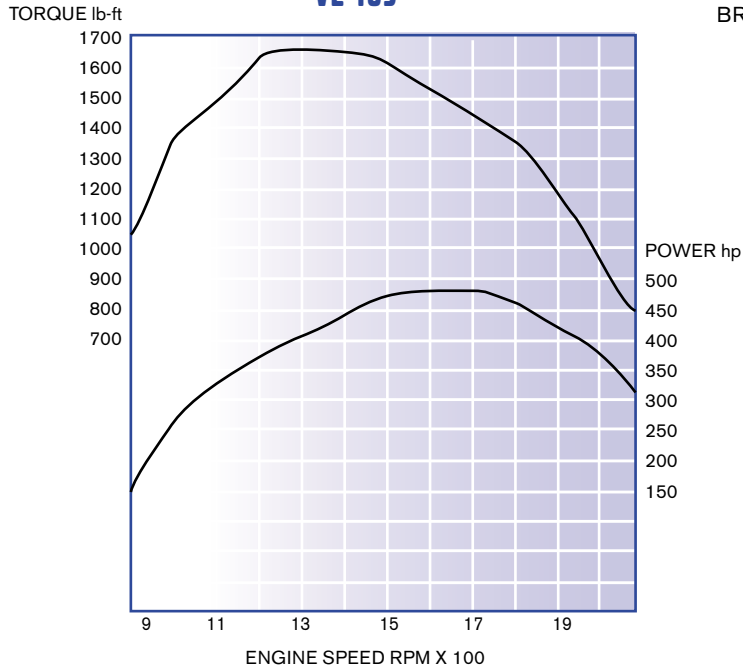
**VOLVO**  
New Roads

(1) For complete information see TSI 175.001.

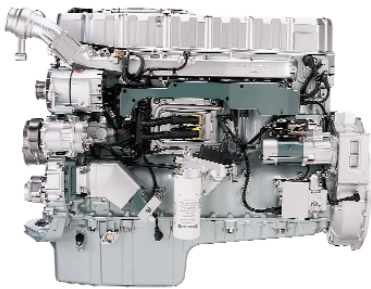
(2) Conditions and limitations apply. See dealer for details.

# VOLVO POWER VE D12 465

## VE 465



## VOLVO DRIVETRAIN RECOMMENDATIONS



<b>GVW / GCW in lb x 1000</b>	75 - 105	95 - 140
<b>Truck configuration</b>	6 X 4	
<b>Engine Type</b>	VE D12 465 for VHD only	
<b>Recommended cruise range, rpm</b>	1400 - 1550	1450 - 1600
<b>Governed rpm @</b>	1900	
<b>Manual Transmissions<sup>(1,2)</sup></b>	0.73 overdrive	0.73 overdrive
<b>Tire sizes (revs / mile)</b>	478 - 516	
<b>Rear axle ratios</b>	3.70 - 4.30	3.70 - 4.30
<b>Recommended cruise speed (mph)</b>	63 - 68	53 - 68
<b>Top speed range (mph)</b>	66 - 78	58 - 78
<b>Minimum startability</b>	20%	

(1) A gradeability below 1% at "cruise speed" will result in poor driveability.

(2) When operating in hilly terrain and GCW exceeds 90,000 lbs, a "13-, 15- or 18-speed" transmission is recommended.

### Volvo Trucks North America, Inc.

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