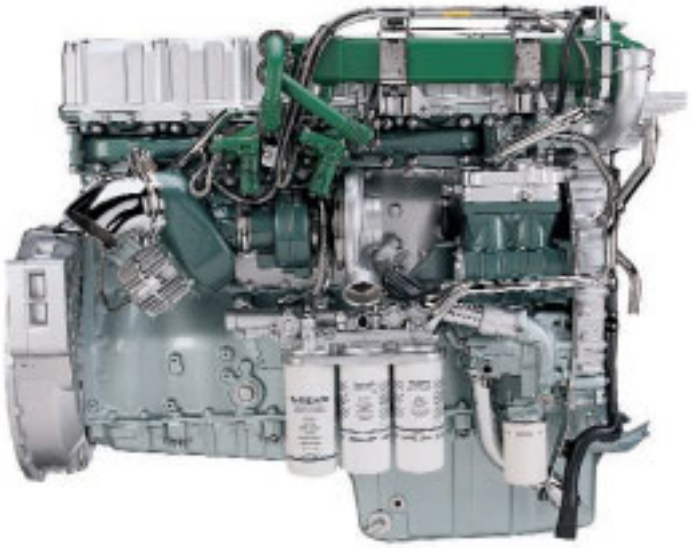
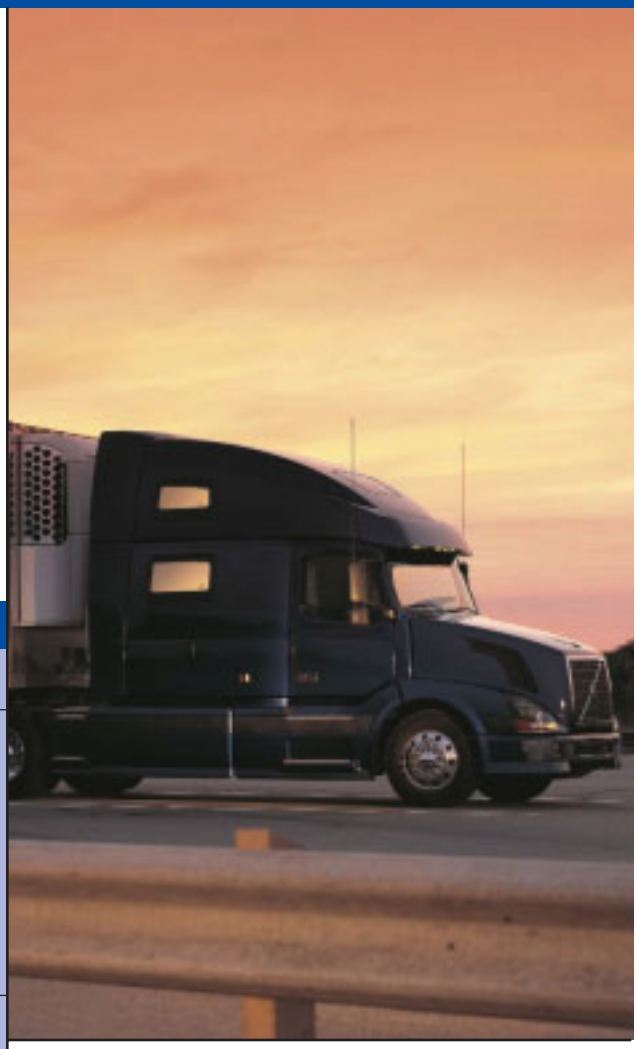
VOLVO POWER VE D12 465





SPECIFICATIONS

Model	Volvo VE D12 465
Base Engine Configuration	4 cycle / inline 6
Aspiration / intercooler	Turbocharged / air to air
Cam / valve configuration	SOHC / 4 per cylinder
Cylinder head	One Piece
Injection system	Electronic Unit Injectors (EUI)
Electronic management system	VECTRO III
Displacement, cu in (L)	740 (12.13)
Compression ratio	17.3:1
Bore & stroke, in (mm)	5.16 x 5.90 (131 X 150)
Dry weight, lb (kg)	2477 (1126)
Engine Ratings, hp	465
Peak power hp / Peak torque lb ft	465 @ 1800 / 1650 @1200
Governed rpm (high idle)	1900 (2100)
Recommended cruise range, rpm	1400 - 1600
Start engagement torque lb ft	627 @ 800
Oil Service Intervals, etc.[1]	
Total oil change capacity, in qts (L)	34 (33)
Number of oil filters	2 full flow, 1 by-pass
Oil change:	
Severe duty, VDS-2 or EO-N Prem Plus oil	12,000 miles / 19,000 km / 300 h
Standard duty, VDS-2 or EO-N Prem Plus oil	15,000 miles / 24,000 km / 400 h
Extended oil drain, VDS-2 or EO-N Prem Plus oil only	25,000 miles / 40,000 km / 600 h
Engine Equipment	
Compressor (CFM)	18.7
Exhaust pressure governor (EPG)	Standard
EPG, Exhaust brake rating	225 hp @ 2300
Preheater	Available
Engine compression brake	Available
Compression brake rating (VEB)	350 hp @ 2300
Engine brake weight, lb (kg)	25 (12)
Side engine PTO	Available, 60 hp / 370 lb ft
Base Warranty[2]	24 months / 250,000 miles / 6,250 hours
Major components	60 months / 500,000 miles / 12,500 hours
Emission Components	60 months/ 250,000 miles / 6,250 hours
	100% parts & labor
Extended Warranty[2]	60 months / 500,000 miles / 12,500 hours
	Various parts & labor plans available

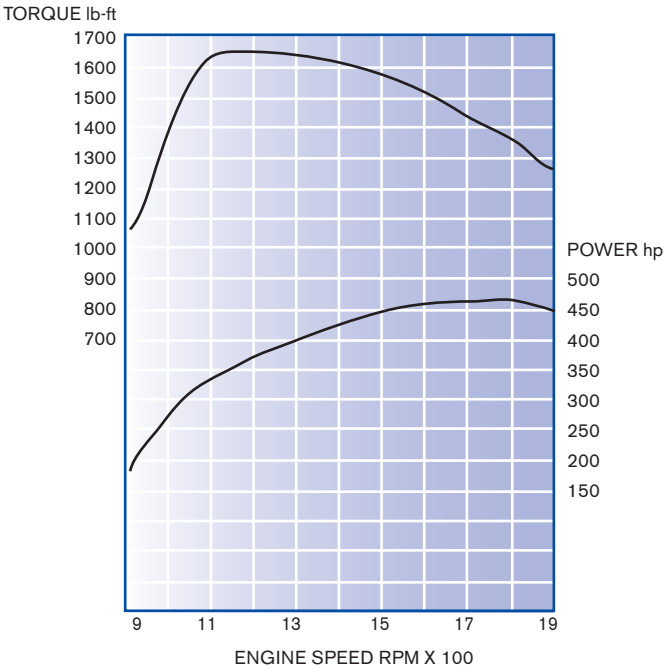
(1) For complete information see TSI 175.001.
(2) Conditions and limitations apply. See dealer for details.

VOLVO

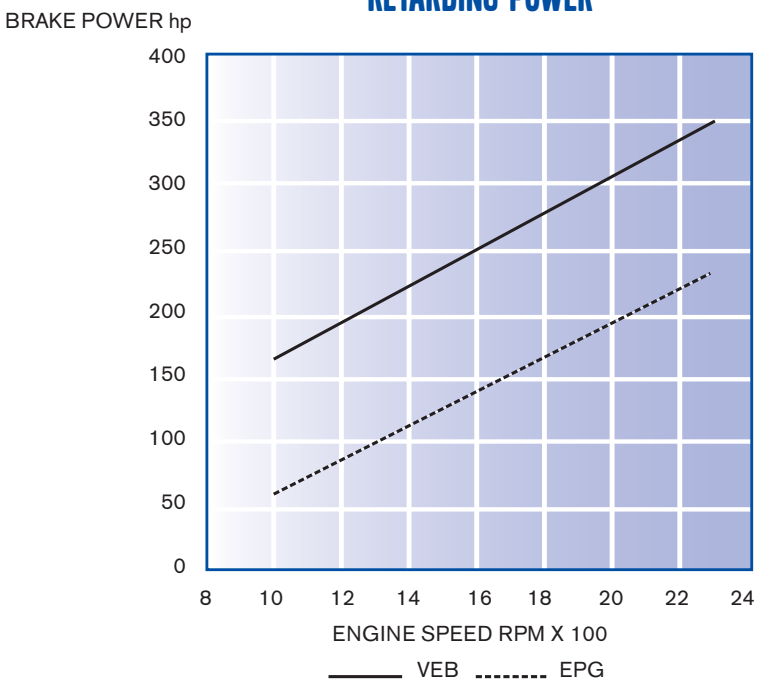
New Roads

VOLVO POWER VE D12 465

VE 465



RETARDING POWER



VOLVO DRIVETRAIN RECOMMENDATIONS

GVW / GCW in lb x 1000	75 - 105	95 - 140
Truck configuration	6 X 4	
Engine Type	VE D12 465	
Recommended cruise range, rpm	1400 -1550	1450 - 1600
Governed rpm @	1900	

Manual Transmissions[1,2]	Direct / 0.73 overdrive	0.73 overdrive
Tire sizes (revs / mile)	478 - 516	
Rear axle ratios	2.64-2.93 / 3.55-4.30	3.55-4.30
Recommended cruise speed (mph)	65 - 70	55 - 70
Top speed range (mph)	68- 81	60 - 81
Minimum startability	16%	

(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.
P.O. Box 26115, Greensboro, NC 27402-6115
Volvo Trucks Canada, Inc.
5600A Cancross Court, Mississauga, Ontario L5R 3E9
www.volvotrucks.us.com

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