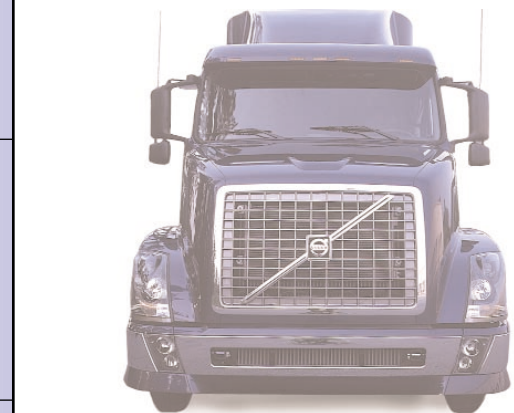
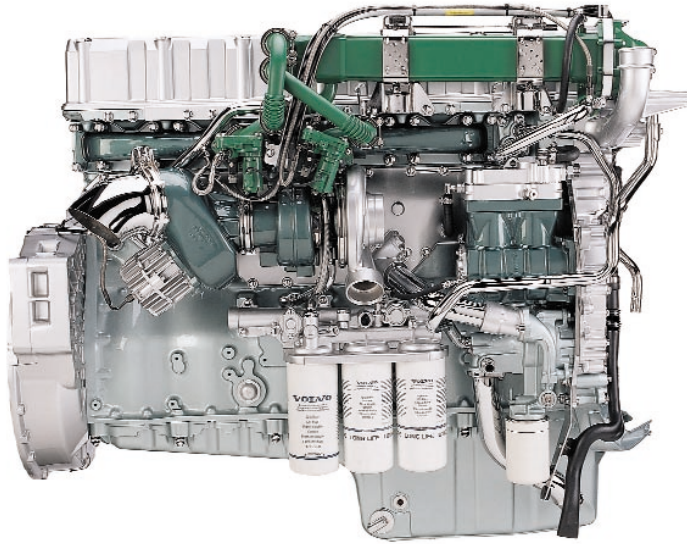


# VOLVO POWER VE D12 465



## SPECIFICATIONS

Model	Volvo VE D12 465
<b>Base Engine Configuration</b>	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)
<b>Engine Ratings, hp</b>	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
<b>Oil Service Intervals, etc.<sup>(1)</sup></b>	
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
<b>Engine Equipment</b>	
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
<b>Base Warranty<sup>(2)</sup></b>	
Major components	24 months / 250,000 miles / 6,250 hours
Emission Components	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

(1) For complete information see TSI 175.001.

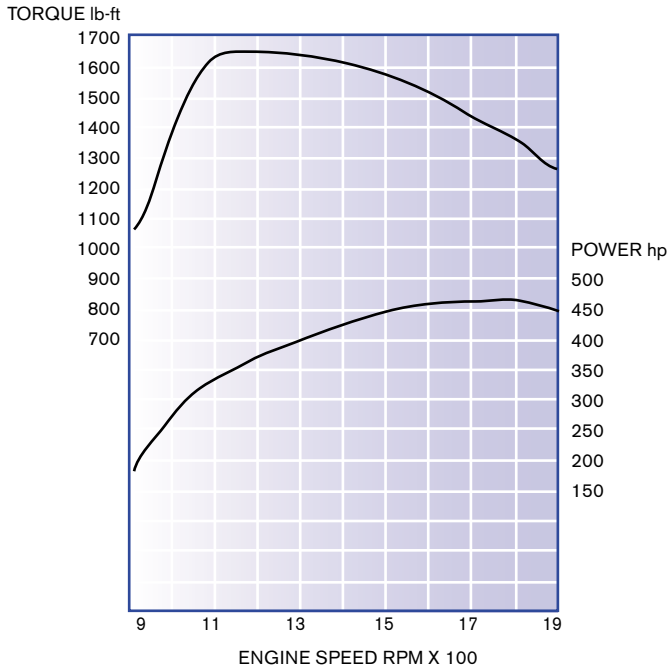
(2) Conditions and limitations apply. See dealer for details.

# VOLVO

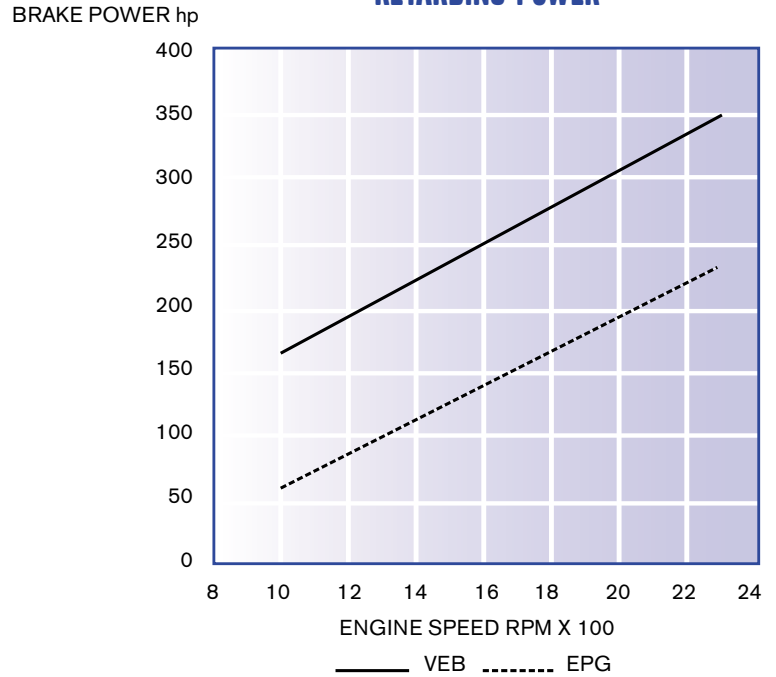
New Roads

# VOLVO POWER VE D12 465

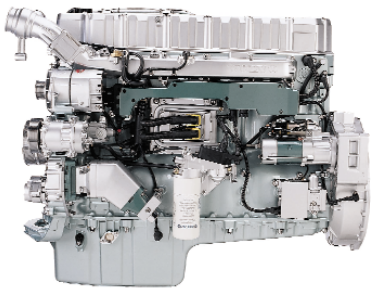
## VE 465



## RETARDING POWER



## VOLVO DRIVETRAIN RECOMMENDATIONS



<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	
<b>Recommended cruise range, rpm</b>	1400 -1550	1450 - 1600
<b>Governed rpm @</b>	1900	
<b>Manual Transmissions<sup>(1,2)</sup></b>	Direct / 0.73 overdrive	0.73 overdrive
<b>Tire sizes (revs / mile)</b>	478 - 516	
<b>Rear axle ratios</b>	2.64-2.93 / 3.55-4.30	3.55-4.30
<b>Recommended cruise speed (mph)</b>	65 - 70	55 - 70
<b>Top speed range (mph)</b>	68- 81	60 - 81
<b>Minimum startability</b>	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

**Volvo Trucks North America, Inc.**

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