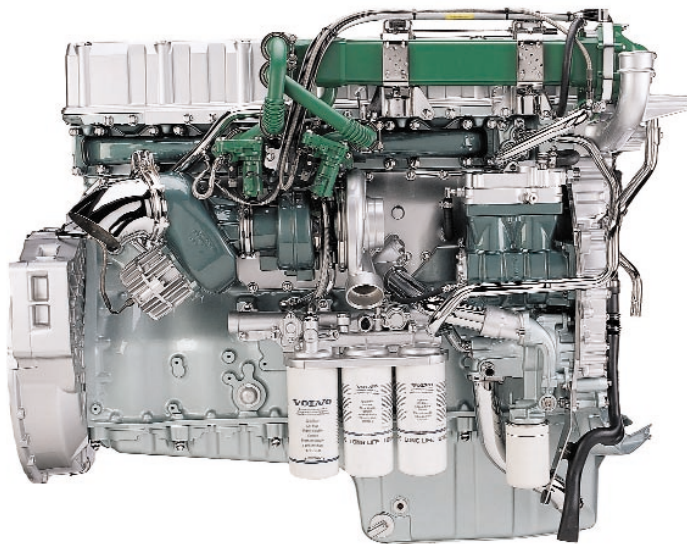


VOLVO POWER VE D12 395



SPECIFICATIONS

| | |
|--|--|
| Model | Volvo VE D12 395 |
| 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 |
| Horsepower | Derating (365) software only Uprating (435) software only |
| 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 | 395 |
| Peak power hp / Peak torque lb ft | 395 @ 1800 / 1450 @ 1200 |
| Governed rpm (high idle) | 1900 (2100) |
| Recommended cruise range, rpm | 1450 - 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⁾ | |
| 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 |
| Extended Warranty⁽²⁾ | |
| | 60 months / 500,000 miles / 12,500 hours |
| | Various parts & labor plans available |



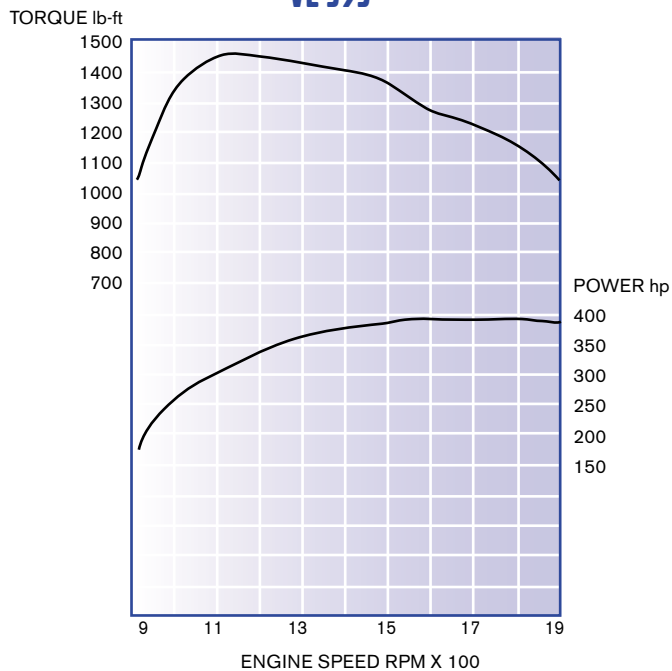
VOLVO
New Roads

(1) For complete information see TSI 175.001.

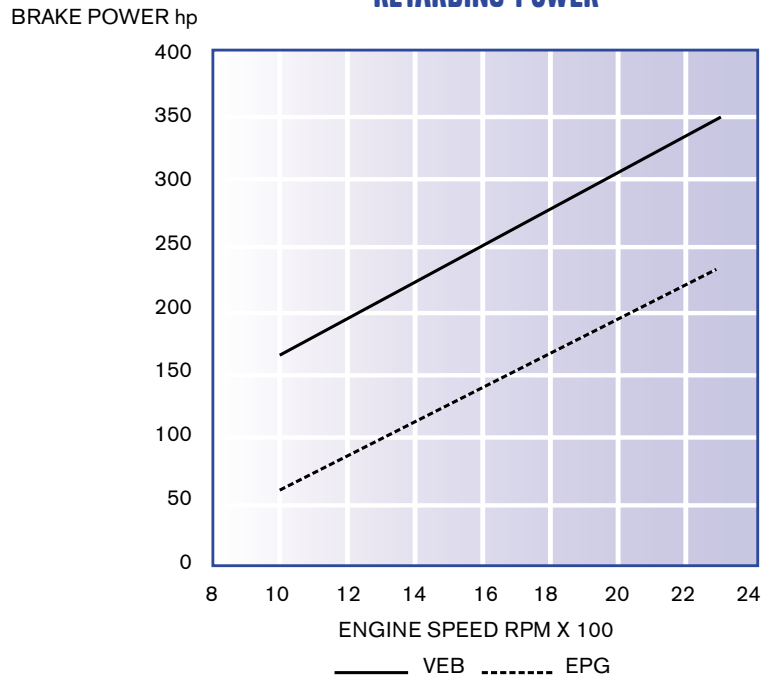
(2) Conditions and limitations apply. See dealer for details.

VOLVO POWER VE D12 395

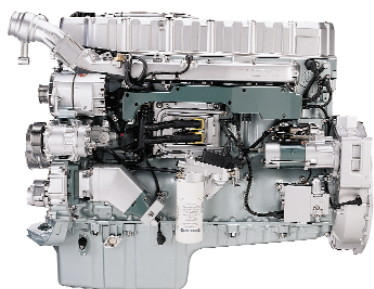
VE 395



RETARDING POWER



VOLVO DRIVETRAIN RECOMMENDATIONS



| | | |
|---|-------------------------|-------------------------|
| GVW / GCW in lb x 1000 | 65 - 80 | 75 - 105 |
| Truck configuration | 6 X 4 | |
| Engine Type | VE D12 395 | |
| Recommended cruise range, rpm | 1450 -1600 | |
| Governed rpm @ | 1900 | |
| Manual Transmissions^(1,2) | Direct / 0.73 overdrive | Direct / 0.73 overdrive |
| Tire Sizes (revs / mile) | 501 - 516 | 501 - 516 |
| Rear axle ratios | 2.64-3.10 / 3.90-4.30 | 2.64 - 2.93 / 3.55-4.30 |
| Recommended cruise speed (mph) | 62 - 67 | 65 - 70 |
| Top speed range (mph) | 65- 73 | 68 - 80 |
| Minimum startability | 16% | |

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

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

VOLVO

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