



# DPF FLOW RATE CHART

**NOTE: Pressure/airflow readings may vary by up to 0.3" w.g. due to factors like temperature, humidity, altitude, & DPF manufacturing.** In high-altitude regions, the variance can be even greater. These flow readings are subject to change as new part numbers are added; if you have a filter not listed please contact Filtertherm® for support.

**Call: 888-792-2922 Email: [INFO@FILTERTHERM.COM](mailto:INFO@FILTERTHERM.COM)**

Filter cleanliness is based on the process used, for best results follow the Filtertherm® guidelines outlined in the manual and online. Flow test filters with the inlet side up. If the filter outlet has a gapped flange, use that side for the measurement.

**Green Range:** Excellent condition.

**Orange Range:** Okay condition, more frequent cleaning needed.

**Red Range:** Damaged/Compromised, replace filter.

| MANUFACTURER     | PART #   | ALT PART # | REDLINE # | BASELINE | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|------------------|----------|------------|-----------|----------|-------------|-------------------------|-------------|
| Case New Holland | 84413370 |            |           | 5.40     | 5.40 - 5.90 | 5.95 - 6.40             | > 6.40      |
| Caterpillar      | 260-7807 |            |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Caterpillar      | 261-2318 | 2020917    | 52950     | 2.35     | 2.35 - 2.85 | 2.90 - 3.35             | > 3.35      |
| Caterpillar      | 264-1556 | 2021619    | 52950     | 2.35     | 2.35 - 2.85 | 2.90 - 3.35             | > 3.35      |
| Caterpillar      | 272-2425 |            |           | 2.35     | 2.35 - 2.85 | 2.90 - 3.35             | > 3.35      |
| Caterpillar      | 283-7213 |            | 52951     | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 285-3365 |            | 52940     | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 290-0045 |            | 52940     | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar*     | 291-8513 |            | 53122     | 3.00     | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Caterpillar      | 291-8514 |            |           | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 291-8519 |            | 52951     | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Caterpillar      | 291-8520 |            |           | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 292-2944 |            |           | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 299-3513 |            |           | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 304-7502 |            | 52934     | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Caterpillar      | 304-7578 |            | 52933     | 2.35     | 2.35 - 2.85 | 2.90 - 3.35             | > 3.35      |
| Caterpillar      | 305-4565 |            | 52969     | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Caterpillar*     | 358-3661 |            |           | 1.80     | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Caterpillar*     | 358-3668 |            |           | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Caterpillar*     | 390-0643 |            |           | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |



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|--------------|---------------------------|--------------|-----------|-------------|-------------|-------------------------|-------------|
| Caterpillar* | 390-0659                  |              |           | 1.80        | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Caterpillar* | 390-0663                  |              |           | 1.80        | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Caterpillar* | 390-0673                  |              |           | 2.00        | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Clariant*    | 27981428125               |              |           | 2.00        | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Clariant*    | 27981528125               |              |           | 2.00        | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Clariant*    | 29233728125               |              |           | 2.00        | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Cleaire/ESW* | All Retrofit Part Numbers | ESW Provided |           | 2.60        | 2.60 - 3.60 | 3.70 - 4.90             | > 5.00      |
| Cummins*     | 2078587X                  |              |           | 2.00        | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Cummins      | 3384051X                  |              |           | 1.80        | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Cummins*     | A029C893                  | 2880168      | 52932     | 2.00 w/gap  | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Cummins      | A029S553                  | Q102905      |           | 1.25        | 1.25 - 1.75 | 1.80 - 2.25             | > 2.25      |
| Cummins      | A030F543                  | 5283128      |           | 3.10        | 3.10 - 3.60 | 3.65 - 4.10             | > 4.10      |
| Cummins*     | A030K896                  | 5273093      | 52988     | 1.40        | 1.40 - 1.90 | 1.95 - 2.40             | > 2.40      |
| Cummins*     | A030R326                  | 2888190      |           | 3.10        | 3.10 - 3.60 | 3.65 - 4.10             | > 4.10      |
| Cummins      | A034X191                  | 5283669      | 52932     | 1.30        | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| Cummins      | A034X329                  | 5283778      | 52932     | 1.40        | 1.40 - 1.90 | 1.95 - 2.40             | > 2.40      |
| Cummins      | A034X344                  | 5283799      |           | 1.60        | 1.60 - 2.10 | 2.15 - 2.60             | > 2.60      |
| Cummins      | A040K550                  |              |           | 1.10 w/gap  | 1.10 - 1.60 | 1.65 - 2.10             | > 2.10      |
| Cummins      | A040M135                  | 5295603      | 52991     | 3.00        | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Cummins*     | A040M139                  | 5295605      | 52973     | 2.20        | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| Cummins      | A040M143                  | 5295604      | 52984     | 1.20 w/gap  | 1.20 - 1.70 | 1.75 - 2.20             | > 2.20      |
| Cummins*     | A041D442                  | 5295607      |           | 2.90        | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| Cummins*     | A041D445                  | 5295606      |           | 1.60 w/gaps | 1.60 - 2.10 | 2.10 - 2.60             | > 2.60      |
| Cummins      | A041D448                  | 5295609      | 52979     | 1.10 w/gap  | 1.10 - 1.60 | 1.65 - 2.10             | > 2.10      |
| Cummins      | A041D452                  | 1906311      |           | 1.10 w/gap  | 1.10 - 1.60 | 1.65 - 2.10             | > 2.10      |
| Cummins*     | A041L187                  | 5297522      | 52932     | 1.40        | 1.40 - 1.90 | 1.95 - 2.40             | > 2.40      |



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|--------------|----------|------------------|-----------|------------|-------------|-------------------------|-------------|
| Cummins*     | A041M783 | 5297990          | 52932     | 1.70 w/gap | 1.70 - 2.20 | 2.25 - 2.70             | > 2.70      |
| Cummins*     | A041M795 | 5297989          |           | 1.60       | 1.60 - 2.10 | 2.15 - 2.60             | > 2.60      |
| Cummins*     | A041T202 | 21850658         |           | 1.90       | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Cummins      | A041U457 | 5304873          |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Cummins*     | A042L911 | 5302645          |           | 3.40       | 3.40 - 3.90 | 3.95 - 4.40             | > 4.40      |
| Cummins*     | A042L920 | 5302646          |           | 2.30       | 2.30 - 2.80 | 2.85 - 3.30             | > 3.30      |
| Cummins*     | A042N741 | 21851879         |           | 1.60       | 1.60 - 2.10 | 2.15 - 2.60             | 2.6         |
| Cummins*     | A043X536 | 2510616C91       |           | 1.30       | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| Cummins*     | A045G339 | 2513396C1        |           | 1.40       | 1.40 - 1.90 | 1.95 - 2.40             | > 2.40      |
| Cummins*     | A046F194 | 4352989          | 52943     | 1.20       | 1.20 - 1.70 | 1.75 - 2.20             | > 2.20      |
| Cummins*     | A047B789 | 4352923          | 52931     | 1.30       | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| Cummins*     | A047B793 | 4352920          | 52938     | 1.30       | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| Cummins*     | A051G270 | 4388409          | 52932     | 1.70       | 1.70 - 2.20 | 2.25 - 2.70             | > 2.70      |
| Cummins*     | A054M203 | 4394227/2072898X |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Cummins*     | A054M210 | 4394228          |           | 2.20       | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| Cummins      | A054T626 |                  |           | 1.65       | 1.65 - 2.15 | 2.2 - 2.65              | > 2.65      |
| Cummins      | A055B953 | 4394577          |           | 1.80       | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Cummins*     | A055B959 | 4394579          |           | 2.20       | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| Cummins      | A055B965 | 4394580          |           | 1.80       | 1.80 - 2.30 | 2.30 - 2.80             | > 2.80      |
| Cummins      | A055F100 | 2516807C91       |           | 1.50 w/gap | 1.50 - 2.00 | 2.05 - 2.50             | > 2.50      |
| Cummins      | A055H506 | 2131533          |           | 1.65       | 1.65 - 2.15 | 2.20 - 2.65             | > 2.65      |
| Cummins*     | A055L670 | 2131896          |           | 1.65       | 1.65 - 2.15 | 2.20 - 2.65             | > 2.65      |
| Cummins      | A055S838 | 2134929          |           | 1.50       | 1.50 - 2.00 | 2.05 - 2.50             | > 2.50      |
| Cummins      | A055T677 | 4394979          |           | 1.80       | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Cummins      | A056D470 | 4395139          |           | 2.10       | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Cummins*     | A056Y231 | 2064075X         |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |



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|--------------|----------|------------|-----------|------------|-------------|-------------------------|-------------|
| Cummins      | A059P098 | 5418493    |           | 1.70       | 1.70 - 2.20 | 2.20 - 2.70             | > 2.70      |
| Cummins      | A059P100 | 2191860    |           | 1.70       | 1.70 - 2.20 | 2.20 - 2.70             | > 2.70      |
| Cummins      | A064F954 | 5509714    |           | 1.70       | 1.70 - 2.20 | 2.20 - 2.70             | > 2.70      |
| Cummins      | Q617787  |            |           | 3.00       | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Cummins      | Q617788  |            |           | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q617940  |            | 52954     | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q618059  |            |           | 2.25       | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Cummins      | Q618458  |            |           | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q618747  |            |           | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q618750  |            |           | 3.00       | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Cummins      | Q619495  |            | 52954     | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q619725  |            | 52954     | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q620145  |            |           | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q620723  |            |           | 1.75 w/gap | 1.75 - 2.25 | 2.30 - 2.75             | > 2.75      |
| Cummins      | Q620940  | 4965055    | 52938     | 2.10 w/gap | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Cummins*     | Q621328  | 20864127   | 52945     | 2.10       | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Cummins      | Q621334  |            |           | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Cummins      | Q621371  | 4965286    | 52942     | 2.5 w/gap  | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins*     | Q621376  | 4965227    | 52958     | 3.35       | 3.35 - 3.85 | 3.90 - 4.35             | > 4.35      |
| Cummins      | Q621378  | 4965244    | 52931     | 2.10 w/gap | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Cummins      | Q621386  | 4965287    | 52929     | 3.30       | 3.30 - 3.80 | 3.85 - 4.30             | > 4.30      |
| Cummins*     | Q621402  | 4965224    | 52943     | 2.25 w/gap | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Cummins      | Q621414  |            |           | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Cummins*     | Q621418  | 20846316   | 52948     | 1.85       | 1.85 - 2.35 | 2.40 - 2.85             | > 2.85      |
| Cummins*     | Q621560  | 4965392    | 58816     | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Cummins      | Q621936  | 4969701    | 52932     | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |



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|----------------|-----------------|------------|-----------|------------|-------------|-------------------------|-------------|
| Cummins        | Q621937         | 4969702    |           | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Cummins*       | Q621938         | 4969703    | 52944     | 2.10       | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Cummins*       | Q622289         |            |           | 2.80       | 2.80 - 3.30 | 3.35 - 3.80             | > 3.80      |
| Cummins*       | Q622329         |            |           | 2.70       | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| Cummins        | Q622369         |            | 52955     | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Cummins        | Q623804         | 4969838    | 52942     | 2.40 w/gap | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Cummins*       | Q629355         | 2871461    | 52981     | 3.00       | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Cummins        | Q629356         | 2871462    | 52980     | 3.30       | 3.30 - 3.80 | 3.85 - 4.30             | > 4.30      |
| Cummins*       | Q629361         | 2871459    | 52974     | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Cummins        | Q629362         | 2871463    | 52930     | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Cummins        | Q629458         | 2871578    | 52937     | 1.30       | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| Cummins        | Q629477         | 2871581    | 52968     | 1.25 w/gap | 1.25 - 1.75 | 1.80 - 2.25             | > 2.25      |
| DCL            | 3000-DQ-5C57-21 |            |           | 4.50       | 4.50 - 5.00 | 5.05 - 5.50             | > 5.50      |
| DCL            | 4000-DQ-5C55-21 |            |           | 4.00       | 4.00 - 4.50 | 4.55 - 5.00             | > 5.00      |
| DCL            | 4000-DQ-5C57-21 |            |           | 4.00       | 4.00 - 4.50 | 4.55 - 5.00             | > 5.00      |
| DCL            | 4000-FF-5S57-21 |            |           | 4.70       | 4.70 - 5.20 | 5.25 - 5.70             | > 5.70      |
| DCL            | 5000-DX-5C51-21 |            |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| DCL            | 5215-SA-5C51-21 |            |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| DCL            | 5500-DX-5C51-21 |            |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| DCL            | 6000-DX-5C51-21 |            |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| DCL            | 6125-FF-5S56-11 |            |           | 1.75       | 1.75 - 2.25 | 2.30 - 2.75             | > 2.75      |
| DCL            | 95E5-SA-5C57-21 |            |           | 4.50       | 4.50 - 5.00 | 5.05 - 5.50             | > 5.50      |
| DCL            | RDJ6-FF-5S57-21 |            |           | 4.75       | 4.75 - 5.25 | 5.30 - 5.75             | > 5.75      |
| DCL            | RDJ6-FF-5S57-21 |            |           | 4.70       | 4.70 - 5.20 | 5.25 - 5.70             | > 5.70      |
| Detroit Diesel | 23535827        |            | 52966     | 2.50       | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Detroit Diesel | 29278B          |            |           | 3.00       | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |



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| Detroit Diesel    | 29278N                    |            |           | 3.00     | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Detroit Diesel*   | A0014903492               |            | 52976     | 2.70     | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| Detroit Diesel*   | A0014907692               |            | 52967     | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Detroit Diesel    | A0074908214               |            |           | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Detroit Diesel*   | A6804910094               |            | 52939     | 4.80     | 4.80 - 5.30 | 5.30 - 5.80             | > 5.80      |
| Detroit Diesel*   | A6804910294               |            | 52936     | 2.70     | 2.70 - 3.20 | 3.25 - 3.75             | > 3.75      |
| Detroit Diesel*   | A6804910394               |            | 53112     | 2.20     | 2.20 - 2.50 | 2.55 - 3.20             | > 3.20      |
| Detroit Diesel*   | A6804910494               |            | 52977     | 3.50     | 3.50 - 4.00 | 4.05 - 4.50             | > 4.50      |
| Detroit Diesel*   | A6804910594               |            | 52936     | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Detroit Diesel*   | A6804910794               |            | 52967     | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Detroit Diesel*   | A6804910894               |            | 52976     | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| Detroit Diesel    | A6804913494               |            | 52976     | 2.70     | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| Detroit Diesel*   | A6804913594               |            | 52976     | 2.80     | 2.80 - 3.30 | 3.35 - 3.80             | > 3.80      |
| Detroit Diesel    | A6804914194               |            | 54081     | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Detroit Diesel    | A6804914894               |            |           | 3.50     | 3.50 - 4.00 | 4.00 - 4.50             | > 4.50      |
| Deutz*            | 4602688                   |            |           | 3.20     | 3.20 - 3.70 | 3.70 - 4.20             | > 4.20      |
| Deutz*            | 4602694                   |            |           | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| Deutz*            | 4604636                   |            |           | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Dinex Aftermarket | 58007                     |            | 52929     | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| Dinex Aftermarket | 82010                     |            |           | 1.55     | 1.55 - 2.05 | 2.10 - 2.55             | > 2.55      |
| Donaldson*        | 232172                    |            |           | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| Donaldson         | P226355                   |            |           | 2.95     | 2.95 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Donaldson         | P226355-N3                |            |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Doosan*           | 240103-00362              | 11-0301    |           | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| ECS / CDTI*       | EGR DCS34                 |            |           | 3.20     | 3.20 - 3.70 | 3.75 - 4.20             | > 4.20      |
| ECS / CDTI        | SC13, SCP13M, & EGR PCS13 |            |           | 3.80     | 3.80 - 4.30 | 4.35 - 4.80             | > 4.80      |



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|--------------------|---------------------------|--------------|-----------|----------|-------------|-------------------------|-------------|
| ECS / CDTI         | SC17, SCP17M, & EGR PCS17 |              |           | 3.20     | 3.20 - 3.70 | 3.75 - 4.20             | > 4.20      |
| ECS / CDTI         | SC20 & SCP20M             |              |           | 3.10     | 3.10 - 3.60 | 3.65 - 4.10             | > 4.10      |
| ECS / CDTI         | SC23, SCP23M, & EGR PC23  |              |           | 2.80     | 2.80 - 3.30 | 3.35 - 3.80             | > 3.80      |
| ECS / CDTI         | SC28, SCP28M, & EGR PC28  |              |           | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| ECS / CDTI         | SC35, SCP35M, & EGR PC35  |              |           | 2.20     | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| ECS / CDTI         | SC43                      |              |           | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| EMD                | 82022894B                 | 82022893-00  |           | 2.25     | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Engelhard          | B108-107                  |              |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| ESW/Cleaire*       | All Retrofit Part Numbers | ESW provided |           | 2.60     | 2.60 - 3.60 | 3.70 - 4.90             | > 5.00      |
| Fleetguard/Nelson  | 23532502                  |              |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Fleetguard/Nelson  | 29410A                    |              |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Fleetguard/Nelson  | 29411A                    |              |           | 3.00     | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Fleetguard/Nelson  | 29412A                    |              |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Fleetguard/Nelson  | 29866A                    |              |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Fleetguard/Nelson  | 29972A                    |              |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Fleetguard/Nelson* | Q619296A                  | 23534378     |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Ford               | All 07-09 6.4L            |              |           | 5.00     | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Hino*              | 1804078090                |              |           | 3.60     | 3.60 - 4.10 | 4.15 - 4.60             | > 4.60      |
| Hino               | S1805E0270                |              | 52983     | 4.20     | 4.20 - 4.70 | 4.75 - 5.20             | > 5.20      |
| Hino               | S1805E068                 |              |           | 2.05     | 2.05 - 2.55 | 2.60 - 3.05             | > 3.05      |
| Hino*              | S1805E069                 |              |           | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Hino*              | S1805E0B5                 |              |           | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Hino               | S1805E0C4                 |              |           | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Hino*              | S1850E0270                |              |           | 5.00     | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Hino*              | S1850E0281                |              |           | 4.20     | 4.20 - 4.70 | 4.75 - 5.20             | > 5.20      |
| Hino*              | S1850E0741                |              |           | 2.80     | 2.80 - 3.30 | 3.35 - 3.80             | > 3.80      |



# DPF FLOW RATE CHART

| MANUFACTURER   | PART #     | ALT PART # | REDLINE # | BASELINE   | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|----------------|------------|------------|-----------|------------|-------------|-------------------------|-------------|
| Hug*           | R26        |            |           | 2.80       | 2.40 - 3.30 | 3.35 - 3.80             | > 3.80      |
| Hug*           | R32        |            |           | 2.10       | 1.90 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Hug*           | R40        |            |           | 1.80       | 1.60 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Huss           | 30022007   |            |           | 4.50       | 4.50 - 5.00 | 5.00 - 5.50             | > 5.50      |
| Huss           | 30044001   |            |           | 4.50       | 4.50 - 5.00 | 5.00 - 5.50             | > 5.50      |
| Huss*          | FS100MKL   |            |           | 2.40       | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Huss*          | FS100MKM   |            |           | 2.10       | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Huss           | MK150      |            |           | 3.20       | 3.20 - 3.70 | 3.75 - 4.20             | > 4.20      |
| Huss           | MK200      |            |           | 2.40       | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Huss           | MK300      |            |           | 2.60       | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Huss           | MK35       |            |           | 6.00       | 6.00 - 6.50 | 6.50 - 7.00             | > 7.00      |
| Huss           | MK50       |            |           | 5.00       | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| International* | 2510616C91 | A043X536   | 52979     | 1.30       | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| International* | 2511209C91 |            |           | 1.20       | 1.20 - 1.70 | 1.75 - 2.20             | 2.2         |
| International  | 2516807C91 | A055F100   |           | 1.50 w/gap | 1.50 - 2.00 | 2.05 - 2.50             | > 2.50      |
| International  | 2593981C91 |            | 52960     | 4.30       | 4.30 - 4.80 | 4.85 - 5.30             | > 5.30      |
| International  | 2594131C91 |            | 52941     | 3.40       | 3.40 - 3.90 | 3.95 - 4.40             | > 4.40      |
| International  | 2594165C91 |            | 52953     | 3.20       | 3.20 - 3.70 | 3.75 - 4.20             | > 4.20      |
| International  | 2594356C91 |            | 52961     | 4.20       | 4.20 - 4.70 | 4.75 - 5.20             | > 5.20      |
| International  | 2594363C91 |            |           | 3.95       | 3.95 - 4.45 | 4.50 - 4.95             | > 4.95      |
| International  | 2594369C91 |            |           | 3.85       | 3.85 - 4.35 | 4.40 - 4.85             | > 4.85      |
| International  | 2595055C91 |            |           | 4.60       | 4.60 - 5.10 | 5.10 - 5.60             | > 5.60      |
| International  | 2596665C91 | Q622369    | 52955     | 1.90 w/gap | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| International  | 2601229C91 | Q621944    | 52932     | 1.80       | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| International  | 2603961C91 |            | 52959     | 2.30       | 2.30 - 2.80 | 2.85 - 3.30             | > 3.30      |
| International  | 2604043C91 | 2604828C91 |           | 2.30       | 2.30 - 2.80 | 2.85 - 3.30             | > 3.30      |



# DPF FLOW RATE CHART

| MANUFACTURER   | PART #     | ALT PART # | REDLINE # | BASELINE | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|----------------|------------|------------|-----------|----------|-------------|-------------------------|-------------|
| International  | 2604046C91 |            | 52956     | 2.35     | 2.35 - 2.85 | 2.85 - 3.35             | > 3.35      |
| International  | 2604430C91 |            | 52964     | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| International* | 2604823C91 | 3859549C93 | 52959     | 2.30     | 2.30 - 2.80 | 2.85 - 3.30             | > 3.30      |
| International  | 2604823C91 | 2603961C91 | 52959     | 2.30     | 2.30 - 2.80 | 2.85 - 3.30             | > 3.30      |
| International  | 2604828C91 | 2604043C91 |           | 2.30     | 2.30 - 2.80 | 2.85 - 3.30             | > 3.30      |
| International* | 2604830C91 | 3859691C94 | 52956     | 2.35     | 2.35 - 2.85 | 2.90 - 3.35             | > 3.35      |
| International  | 2604830C91 | 2604046C91 | 52956     | 2.35     | 2.35 - 2.85 | 2.90 - 3.35             | > 3.35      |
| International  | 2604870C91 | 82002756   | 52962     | 4.15     | 4.15 - 4.65 | 4.70 - 5.15             | > 5.15      |
| International  | 2604873C91 |            | 52960     | 4.30     | 4.30 - 4.80 | 4.85 - 5.30             | > 5.30      |
| International  | 2605837C91 |            | 52982     | 3.25     | 3.25 - 3.75 | 3.80 - 4.25             | > 4.25      |
| International  | 2608438C91 | 2606157C91 |           | 2.70     | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| International  | 2609066C91 |            |           | 4.85     | 4.85 - 5.35 | 5.40 - 5.85             | > 5.85      |
| International* | 2611475C91 |            |           | 4.15     | 4.15 - 4.65 | 4.70 - 5.15             | > 5.15      |
| International* | 2611630C91 | 82073162   | 52962     | 3.80     | 3.80 - 4.30 | 4.35 - 4.80             | > 4.80      |
| International* | 2612517C91 |            |           | 2.80     | 2.80 - 3.30 | 3.35 - 3.80             | > 3.80      |
| International* | 2612521C91 | 82073122   | 52964     | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Isuzu          | 897608056  |            |           | 3.25     | 3.25 - 3.75 | 3.80 - 4.25             | > 4.25      |
| Isuzu          | 897608057  |            | 52972     | 3.25     | 3.25 - 3.75 | 3.80 - 4.25             | > 4.25      |
| Isuzu*         | 898136183  |            |           | 3.90     | 3.90 - 4.40 | 4.45 - 4.90             | > 4.90      |
| Isuzu*         | 898147066  |            |           | 4.30     | 4.30 - 4.80 | 4.85 - 5.30             | > 5.30      |
| Isuzu*         | 898152422  |            |           | 3.10     | 3.10 - 3.60 | 3.65 - 4.10             | > 4.10      |
| Isuzu          | 898152557  |            |           | 2.70     | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| Isuzu          | 898155142  |            |           | 3.40     | 3.40 - 3.90 | 3.95 - 4.40             | > 4.40      |
| Isuzu          | 898185386  |            |           | 4.10     | 4.10 - 4.60 | 4.65 - 5.10             | > 5.10      |
| Isuzu          | 898205061  |            |           | 4.20     | 4.20 - 4.70 | 4.70 - 5.20             | > 5.20      |
| Isuzu*         | 898248360  |            |           | 2.70     | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |



# DPF FLOW RATE CHART

| MANUFACTURER          | PART #      | ALT PART #  | REDLINE # | BASELINE | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|-----------------------|-------------|-------------|-----------|----------|-------------|-------------------------|-------------|
| Isuzu*                | 898287808   |             |           | 3.40     | 3.40 - 3.90 | 3.95 - 4.40             | > 4.40      |
| Isuzu Link-Belt (LBX) | 898152557-2 |             |           | 2.70     | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| Isuzu Link-Belt (LBX) | 898152562-0 | 897608056-0 |           | 3.30     | 3.30 - 3.80 | 3.85 - 4.30             | > 4.30      |
| Isuzu Link-Belt (LBX) | 898185386-2 |             |           | 4.10     | 4.10 - 4.60 | 4.65 - 5.10             | > 5.10      |
| John Deere*           | RE541179    |             |           | 2.20     | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| John Deere*           | RE541180    |             |           | 1.60     | 1.60 - 2.10 | 2.15 - 2.60             | > 2.60      |
| John Deere*           | RE541181    |             |           | 1.80     | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| John Deere*           | RE545852    | RE120011153 |           | 4.20     | 4.20 - 4.70 | 4.75 - 5.20             | > 5.20      |
| John Deere*           | RE551031    |             |           | 3.20     | 3.20 - 3.70 | 3.75 - 4.20             | > 4.20      |
| John Deere*           | RE551148    | RE551032    |           | 3.30     | 3.30 - 3.80 | 3.85 - 4.30             | > 4.30      |
| John Deere*           | RE554651    |             |           | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| John Deere*           | RE559541    |             |           | 2.80     | 2.80 - 3.30 | 3.35 - 3.80             | > 3.80      |
| John Deere*           | RE560421    |             |           | 2.20     | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| John Deere            | RE560442    |             |           | 1.40     | 1.40 - 1.90 | 1.90 - 2.40             | > 2.40      |
| John Deere*           | RE565681    |             |           | 3.20     | 3.20 - 3.70 | 3.75 - 4.20             | > 4.20      |
| John Deere*           | RE566858    |             |           | 3.60     | 3.60 - 4.10 | 4.15 - 4.60             | > 4.60      |
| John Deere            | RE567689    | 82180949    |           | 4.20     | 4.20 - 4.70 | 4.75 - 5.20             | > 5.20      |
| John Deere            | RE574212    |             |           | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Johnson Matthey       | 9188M       |             |           | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | > 3.90      |
| Johnson Matthey       | 9198M       |             |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Johnson Matthey       | 9199M       |             |           | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Johnson Matthey       | 9200KD      |             |           | 1.65     | 1.65 - 2.15 | 2.20 - 2.65             | > 2.65      |
| Johnson Matthey       | 99106MD     |             |           | 2.55     | 2.55 - 3.05 | 3.10 - 3.55             | > 3.55      |
| Johnson Matthey       | 99120KD     |             |           | 2.15     | 2.15 - 2.65 | 2.70 - 3.15             | > 3.15      |
| Johnson Matthey       | 99124MD     |             |           | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Johnson Matthey       | K99130KD    |             |           | 1.80     | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |



# DPF FLOW RATE CHART

| MANUFACTURER | PART #          | ALT PART # | REDLINE # | BASELINE | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|--------------|-----------------|------------|-----------|----------|-------------|-------------------------|-------------|
| Kobelco*     | 32K34-03010     | 3010       |           | 5.20     | 5.20 - 5.70 | 5.75 - 6.20             | > 6.20      |
| Kobelco*     | 32K34-03011     |            |           | 5.20     | 5.20 - 5.70 | 5.75 - 6.20             | > 6.20      |
| Komatsu      | N6524311010     |            |           | 3.10     | 3.10 - 3.60 | 3.60 - 4.10             | > 4.10      |
| Komatsu*     | N6526311010     | 3514944773 |           | 3.00     | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Kubota*      | 129C01-16400-B0 |            |           | 5.00     | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Kubota*      | 1J451-18251     |            |           | 4.80     | 4.80 - 5.30 | 5.35 - 5.80             | > 5.80      |
| Kubota       | 1J500-18252     |            |           | 4.70     | 4.70 - 5.20 | 5.20 - 5.70             | > 5.70      |
| Kubota*      | 1J520-18252     |            |           | 2.50     | 2.50 - 3.00 | 3.05 - 3.50             | > 3.50      |
| Kubota*      | 1J770-18252     |            |           | 4.80     | 4.80 - 5.30 | 5.35 - 5.80             | > 5.80      |
| Kubota*      | 1J801-18251     |            |           | 5.00     | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Kubota*      | 1J802-18251     |            |           | 5.20     | 5.20 - 5.70 | 5.75 - 6.20             | > 6.20      |
| Kubota*      | 1J804-18251     |            |           | 5.00     | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Liebherr*    | 10130546        |            |           | 2.90     | 2.90 - 3.40 | 3.45 - 3.90             | 3.9         |
| Mack         | 20863859        |            | 52944     | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Mack         | 20864316        |            | 52948     | 1.85     | 1.85 - 2.35 | 2.40 - 2.85             | > 2.85      |
| Mack         | 20864558        |            | 52946     | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Mack         | 21048577        | 2023111    | 52935     | 2.55     | 2.55 - 3.05 | 3.10 - 3.55             | > 3.55      |
| Mack         | 21212426        |            | 52957     | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Mack         | 21212428        |            | 52957     | 2.05     | 2.05 - 2.55 | 2.60 - 3.05             | > 3.05      |
| Mack         | 21212429        |            | 52957     | 1.85     | 1.85 - 2.35 | 2.40 - 2.85             | > 2.85      |
| Mack         | 21212431        |            | 52957     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Mack*        | 21353482        |            |           | 1.80     | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Mack*        | 21353489        |            |           | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Mack         | 21395825        | 85124613   | 52975     | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Mack         | 21471269        | 85124653   | 52989     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Mack*        | 21804785        |            | 52935     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |



# DPF FLOW RATE CHART

| MANUFACTURER | PART #      | ALT PART # | REDLINE # | BASELINE   | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|--------------|-------------|------------|-----------|------------|-------------|-------------------------|-------------|
| Mack         | 21851879    |            | 52948     | 1.60       | 1.60 - 2.10 | 2.15 - 2.60             | > 2.60      |
| Mack         | 22069507    |            | 54063     | 1.80       | 1.80 - 2.30 | 2.30 - 2.80             | > 2.80      |
| Mack*        | 22342601    |            | 52989     | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Mack*        | 22413832    |            | 52957     | 1.85       | 1.85 - 2.35 | 2.40 - 2.85             | > 2.85      |
| Mack*        | 22810502    |            | 52957     | 1.75       | 1.75 - 2.25 | 2.30 - 2.75             | > 2.75      |
| Mack         | 22810503    |            | 52957     | 1.80       | 1.80 - 2.30 | 2.30 - 2.80             | > 2.80      |
| Mitsubishi*  | ME 226350   | 7QG        |           | 4.25       | 4.25 - 4.75 | 4.80 - 5.25             | > 5.25      |
| Mitsubishi*  | ME 228931   |            |           | 4.50       | 4.50 - 5.00 | 5.05 - 5.50             | > 5.50      |
| Mitsubishi*  | ME 304313   |            |           | 3.50       | 3.50 - 4.00 | 4.05 - 4.50             | > 4.50      |
| Nett         | SN-1200-5,0 |            |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Nett         | SN-1200CB   |            |           | 2.00       | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| PACCAR*      | 2088082X    | A055H506   |           | 1.65       | 1.65 - 2.15 | 2.15 - 2.65             | > 2.65      |
| PACCAR*      | A029C893    | 2880168    | 52932     | 2.00 w/gap | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| PACCAR*      | A029J952    | 2880281    |           | 2.10       | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| PACCAR       | A029S553    | 1827310    |           | 1.25       | 1.25 - 1.75 | 1.80 - 2.25             | > 2.25      |
| PACCAR       | A029S844    | 1827739    |           | 1.25       | 1.25 - 1.75 | 1.80 - 2.25             | > 2.25      |
| PACCAR       | A034X191    | 5283669    | 52932     | 1.30       | 1.30 - 1.80 | 1.85 - 2.30             | > 2.30      |
| PACCAR       | A034X329    | 5283778    | 52932     | 1.40       | 1.40 - 1.90 | 1.95 - 2.40             | > 2.40      |
| PACCAR       | A034X344    | 5283799    |           | 1.60       | 1.60 - 2.10 | 2.15 - 2.60             | > 2.60      |
| PACCAR       | A040M143    | 5295604    | 52984     | 1.20 w/gap | 1.20 - 1.70 | 1.75 - 2.20             | > 2.20      |
| PACCAR*      | A041D451    | 1900626    | 53103     | 1.10 w/gap | 1.10 - 1.60 | 1.65 - 2.10             | > 2.10      |
| PACCAR       | A041D452    | 1906311    |           | 1.10 w/gap | 1.10 - 1.60 | 1.65 - 2.10             | > 2.10      |
| PACCAR*      | A041L187    | 5297522    | 52932     | 1.40       | 1.40 - 1.90 | 1.95 - 2.40             | > 2.40      |
| PACCAR       | A055H506    | 2131533    |           | 1.65       | 1.65 - 2.15 | 2.20 - 2.65             | > 2.65      |
| Renault*     | 7421716416  |            | 54063     | 2.20       | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| Renault*     | 7421716419  |            | 54063     | 2.40       | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |



# DPF FLOW RATE CHART

| MANUFACTURER | PART #     | ALT PART # | REDLINE # | BASELINE | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|--------------|------------|------------|-----------|----------|-------------|-------------------------|-------------|
| Renault*     | 7421750157 |            |           | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Renault*     | 7421794709 |            |           | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| UD*          | 20110Z503E |            |           | 4.20     | 4.20 - 4.70 | 4.75 - 5.20             | > 5.20      |
| UD*          | 21476400   |            |           | 3.00     | 3.00 - 3.50 | 3.55 - 4.00             | > 4.00      |
| Volvo        | 20863859   |            | 52944     | 2.60     | 2.60 - 3.10 | 3.15 - 3.60             | > 3.60      |
| Volvo*       | 20864127   | Q621328    | 52945     | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Volvo        | 20864316   |            | 52948     | 1.85     | 1.85 - 2.35 | 2.40 - 2.85             | > 2.85      |
| Volvo        | 20864558   |            | 52946     | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Volvo        | 21048577   | 2023111    | 52935     | 2.55     | 2.55 - 3.05 | 3.10 - 3.55             | > 3.55      |
| Volvo        | 21212426   |            | 52957     | 2.10     | 2.10 - 2.60 | 2.65 - 3.10             | > 3.10      |
| Volvo        | 21212428   |            | 52957     | 2.05     | 2.05 - 2.55 | 2.60 - 3.05             | > 3.05      |
| Volvo        | 21212429   |            | 52957     | 1.85     | 1.85 - 2.35 | 2.40 - 2.85             | > 2.85      |
| Volvo        | 21212431   |            | 52957     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Volvo*       | 21353482   |            |           | 1.80     | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Volvo*       | 21353489   |            |           | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Volvo        | 21395825   | 85124613   | 52975     | 2.00     | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Volvo        | 21471269   | 85124653   | 52989     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Volvo*       | 21695829   |            |           | 2.20     | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| Volvo*       | 21695832   |            |           | 1.80     | 1.80 - 2.30 | 2.35 - 2.80             | > 2.80      |
| Volvo*       | 21716416   |            | 54063     | 2.20     | 2.20 - 2.70 | 2.75 - 3.20             | > 3.20      |
| Volvo*       | 21716419   |            | 54063     | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Volvo*       | 21750157   |            |           | 2.40     | 2.40 - 2.90 | 2.95 - 3.40             | > 3.40      |
| Volvo*       | 21804785   |            | 52935     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Volvo*       | 21850658   | A041T202   | 52945     | 1.90     | 1.90 - 2.40 | 2.45 - 2.90             | > 2.90      |
| Volvo        | 21851879   | A042N741   | 52948     | 1.60     | 1.60 - 2.10 | 2.15 - 2.60             | > 2.60      |
| Volvo*       | 22413830   |            | 52957     | 1.75     | 1.75 - 2.25 | 2.30 - 2.75             | > 2.75      |



# DPF FLOW RATE CHART

| MANUFACTURER       | PART #          | ALT PART #      | REDLINE # | BASLINE | OPERATIONAL | POTENTIALLY COMPROMISED | COMPROMISED |
|--------------------|-----------------|-----------------|-----------|---------|-------------|-------------------------|-------------|
| Volvo*             | 22776213        |                 |           | 2.00    | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Volvo*             | 22810502        |                 | 52957     | 1.75    | 1.75 - 2.25 | 2.30 - 2.75             | > 2.75      |
| Volvo              | 22810503        |                 | 52957     | 1.80    | 1.80 - 2.30 | 2.30 - 2.80             | > 2.80      |
| Volvo*             | 22936980        |                 | 54063     | 2.00    | 2.00 - 2.50 | 2.55 - 3.00             | > 3.00      |
| Volvo*             | 23037748        |                 |           | 2.70    | 2.70 - 3.20 | 3.25 - 3.70             | > 3.70      |
| Volvo / Eminox     | 21124510        | Eminox WEBC 066 |           | 2.05    | 2.05 - 2.55 | 2.60 - 3.05             | > 3.05      |
| Volvo / Eminox     | 3183655         | Eminox WE 12055 |           | 1.95    | 1.95 - 2.45 | 2.50 - 2.95             | > 2.95      |
| Volvo / Fleetguard | Q620731         |                 |           | 2.25    | 2.25 - 2.75 | 2.80 - 3.25             | > 3.25      |
| Yanmar*            | 129978-16400-A0 |                 |           | 4.80    | 4.80 - 5.30 | 5.35 - 5.80             | > 5.80      |
| Yanmar*            | 129A00-16400-D0 |                 |           | 5.00    | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Yanmar             | 129C01-16400-B0 |                 |           | 5.00    | 5.00 - 5.50 | 5.55 - 6.00             | > 6.00      |
| Yanmar*            | 129C01-16410-B0 |                 |           | 5.10    | 5.10 - 5.60 | 5.65 - 6.10             | > 6.10      |
| Yanmar*            | 129E23-16400-B0 |                 |           | 4.80    | 4.80 - 5.30 | 5.35 - 5.80             | > 5.80      |



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