Jacobs Vehicle Systems®

DRIVETHEFUTURE
HIGH POWER DENSITY ENGINE BRAKE

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JACOBS' HPD TECHNOLOGY IS THE NEXT LOGICAL STEP IN ENGINE BRAKING

Constant evolution of engine, powertrain, and complete vehicle technology requires an engine brake that can answer increased retarding demands. Developed to complement these technology trends and help further future developments, Jacobs' HPD delivers the retarding power needed to:

1. *Compensate for decreased aerodynamic drag and decreased rolling resistance of the latest trucks*
2. *Compensate for the trend toward lower engine speed operation and specification of smaller displacement engines*
3. *Operate at the engine speeds you use, and avoid downshifting during retarding*

In addition, HPD is fully integrated into the engine and is completely compatible with the latest developments in cruise and safety features.

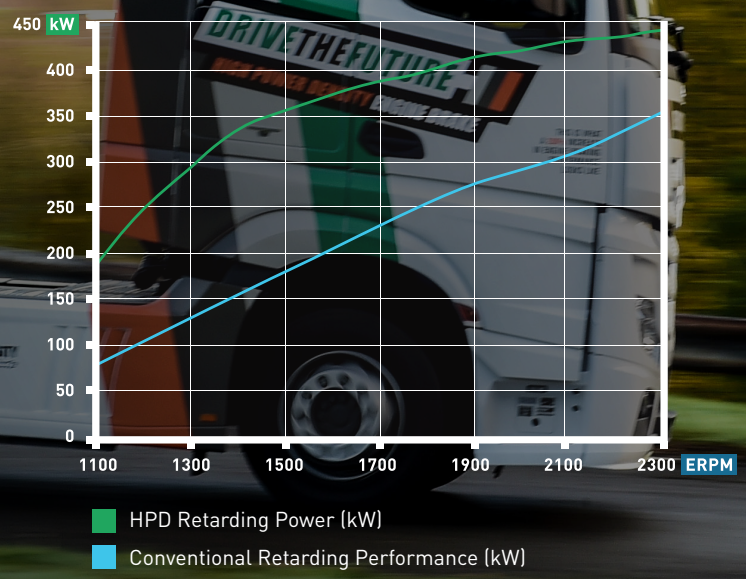
THE EVOLUTION OF THE ENGINE BRAKE

100%

Double the Braking Power at Cruise Speeds

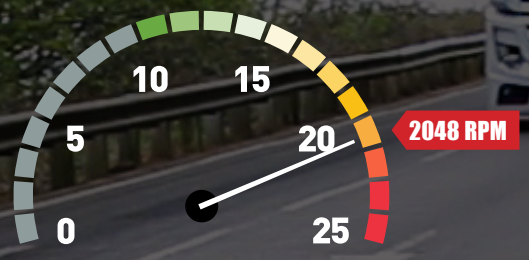
The engine brake power is significantly increased at lower engine speeds compared to conventional compression release brakes.

HPD VS CONVENTIONAL SYSTEM



STANDARD ENGINE BRAKING

Service Brakes Required

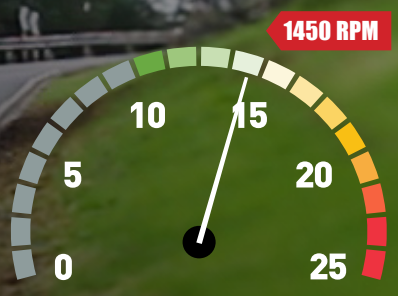


22 KM/H

VS

JACOBS HIGH POWER DENSITY

Using Engine Braking Only



14 KM/H

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