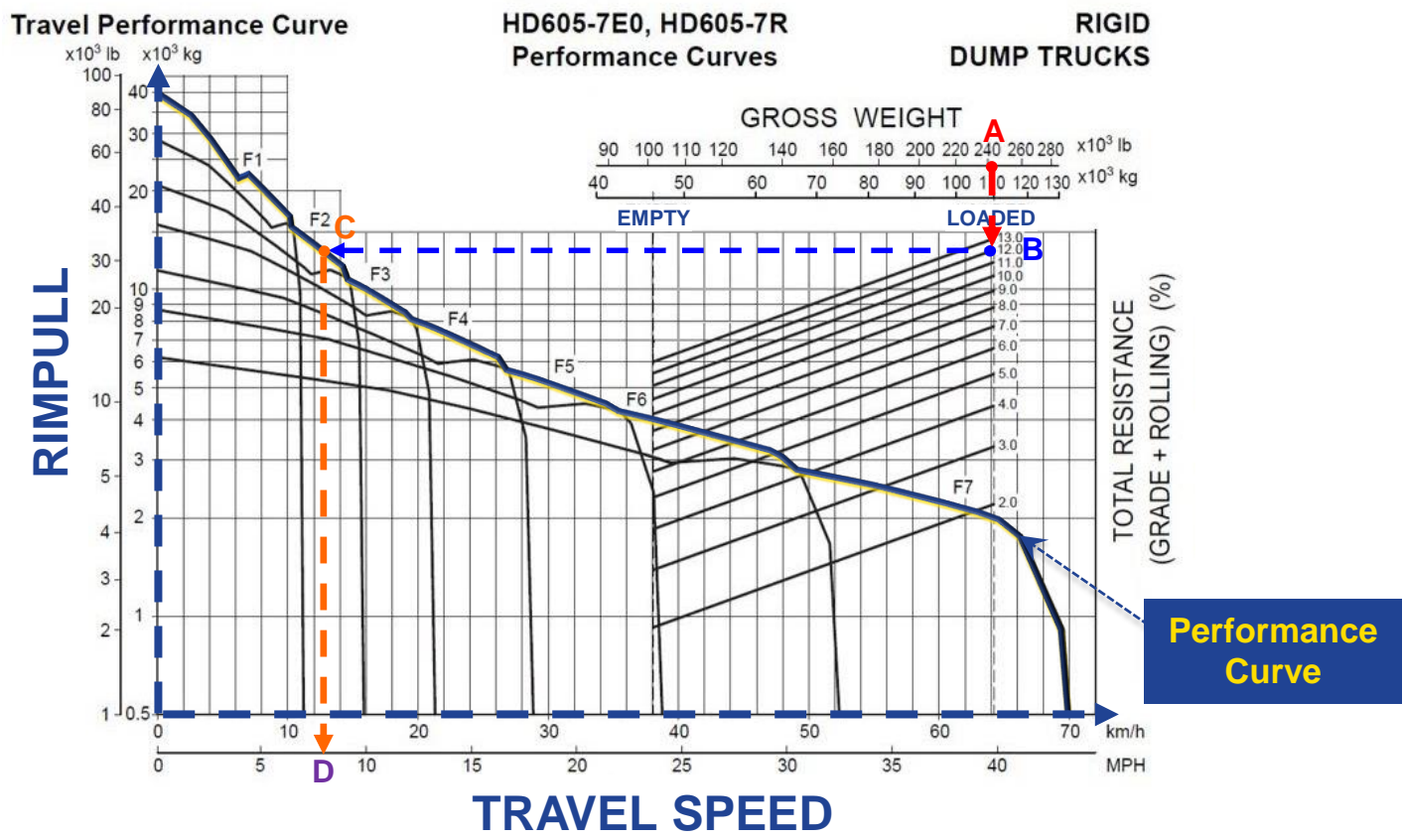


TIP OF THE WEEK

MODEL ALL TRUCKS FEATURE PERFORMANCE CURVE

What is a Truck Performance Curve?

- A Performance curve is used to determine the travel speed for defined haulage application parameters and exist for Propulsion and Braking applications.
- The interpretation of the curve is the same for both Propulsion and Braking.



How to Use a Performance Curve

- 1) Select the Vehicle Weight.
- 2) Draw a vertical line from Vehicle Weight to Total Resistance (Grade + Rolling Resistance).
- 3) Draw a line horizontal to the Rimpull axis. Mark the point where the line intersects the Performance Curve.
- 4) Draw a vertical line from the Performance Curve to the Travel Speed axis.

Example

Determine Speed for a Loaded Truck at 12% Total Resistance (10% Grade + 2% Rolling):

- 1) Select Vehicle Weight (**Point A**)
- 2) Locate Total Resistance (**Point B**)
- 3) Read Horizontally to Performance Curve (**Point C**)
- 4) Read Vertically Down to Speed Scale (**Point D**)

Results: Max Speed 7.5 mph/12.0 kph

For additional information, please consult the Product Bulletin, Operator's Manual or Shop Manual. Photos may include optional equipment.

