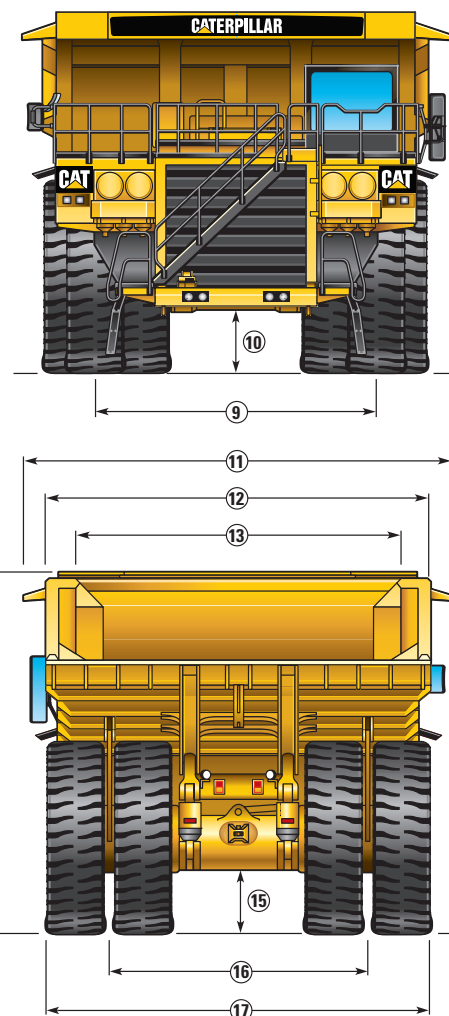
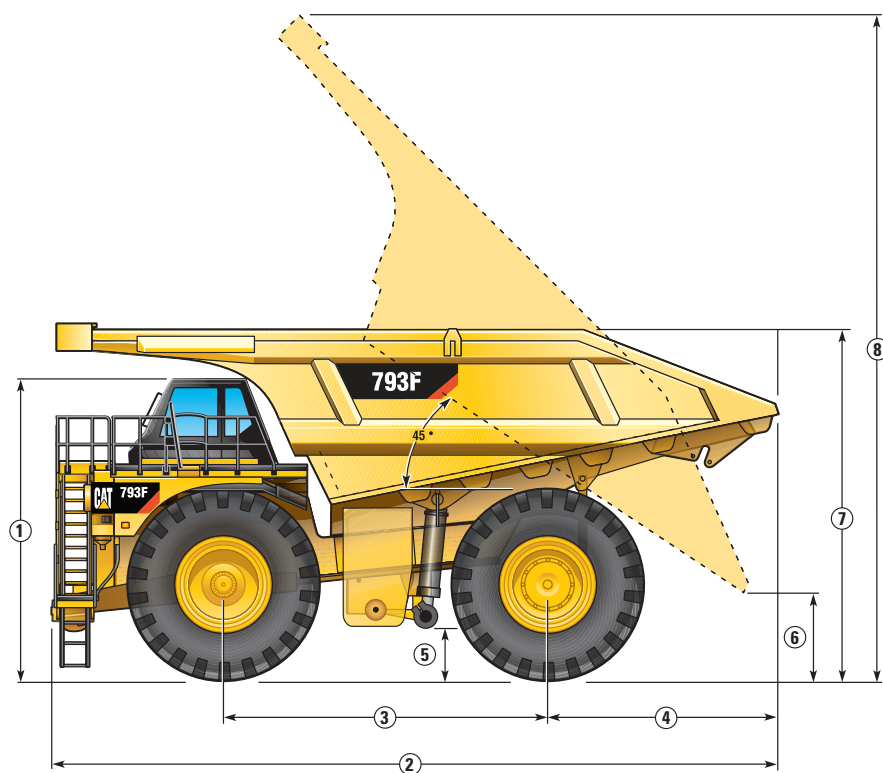


793F Mining Truck

Dimensions

All dimensions are approximate.

Shown with 176 m³ (230 yd³) MSD II Body.



1 Height to Top of ROPS	5597 mm	18 ft 4 in
2 Overall Length	13 702 mm	44 ft 11 in
3 Wheelbase	5905 mm	19 ft 5 in
4 Rear Axle to Tail	4257 mm	13 ft 11 in
5 Ground Clearance	990 mm	3 ft 3 in
6 Dump Clearance	1301 mm	4 ft 3 in
7 Loading Height – Empty	6533 mm	21 ft 5 in
8 Overall Height – Body Raised	13 878 mm	45 ft 6 in
9 Centerline Front Tire Width	5630 mm	18 ft 6 in
10 Engine Guard Clearance	1217 mm	4 ft 0 in
11 Overall Canopy Width	8295 mm	27 ft 3 in
12 Outside Body Width	7626 mm	25 ft 0 in
13 Inside Body Width	6946 mm	22 ft 9 in
14 Front Canopy Height	6603 mm	21 ft 8 in
15 Rear Axle Clearance	1006 mm	3 ft 4 in
16 Centerline Rear Dual Tire Width	4963 mm	16 ft 3 in
17 Overall Tire Width	7605 mm	24 ft 11 in

793F Mining Truck

793F Gradeability/Speed/Rimpull*

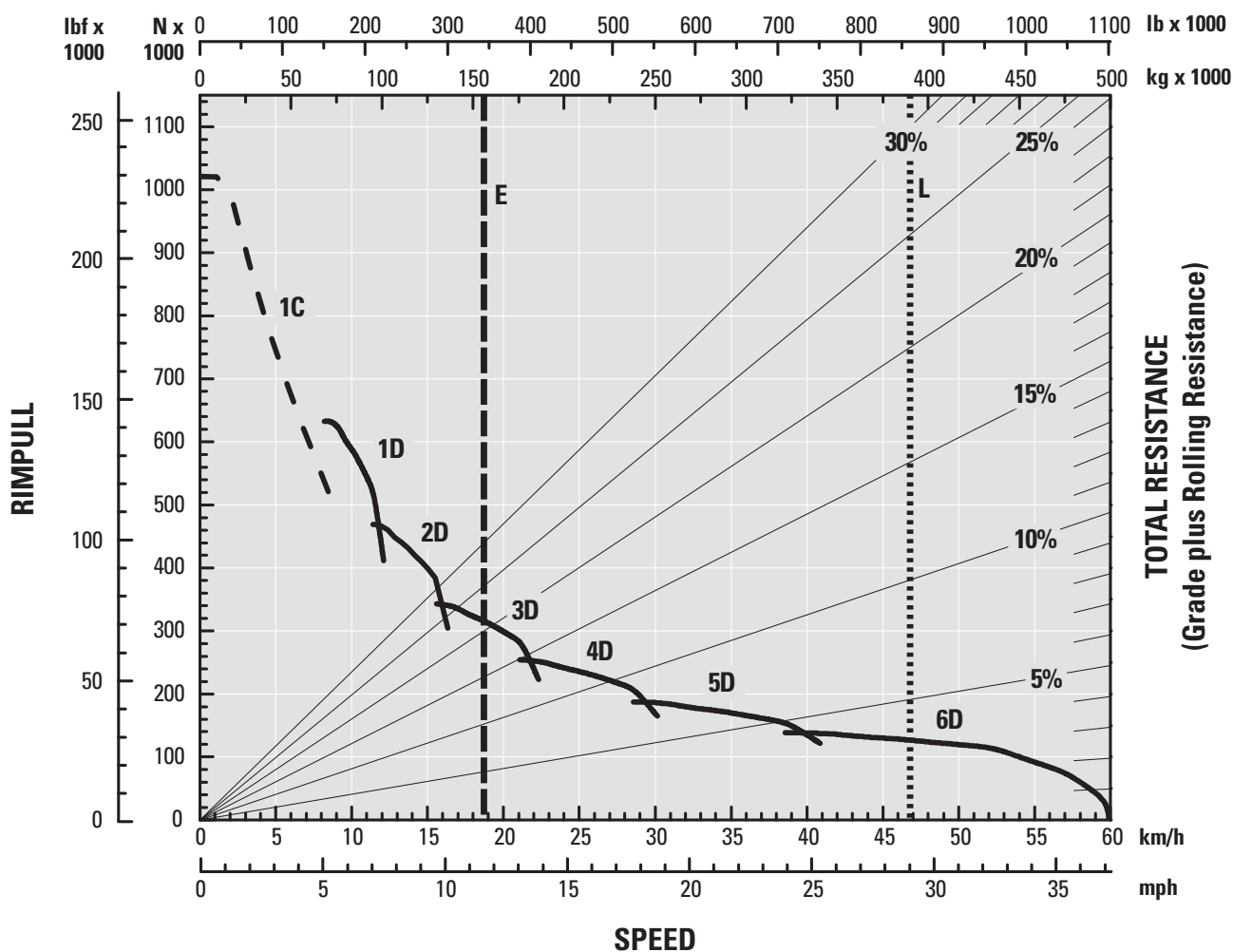
To determine gradeability performance: Read from gross weight down to the percent of total resistance. Total resistance equals actual percent grade plus 1% for each 10 kg/t (20 lb/ton) of rolling resistance. From this weight-resistance point, read horizontally to the curve with the highest obtainable gear, then down to maximum speed. Usable rimpull will depend upon traction available and weight on drive wheels.

----- Typical Field Empty Weight

..... Gross Machine Operating Weight

390 089 kg (860,000 lb)

GROSS WEIGHT



- 1 – 1st Gear
- 2 – 2nd Gear
- 3 – 3rd Gear
- 4 – 4th Gear
- 5 – 5th Gear
- 6 – 6th Gear

- E – Empty
- L – Loaded
- * at sea level

----- Torque Converter Drive

———— Direct Drive

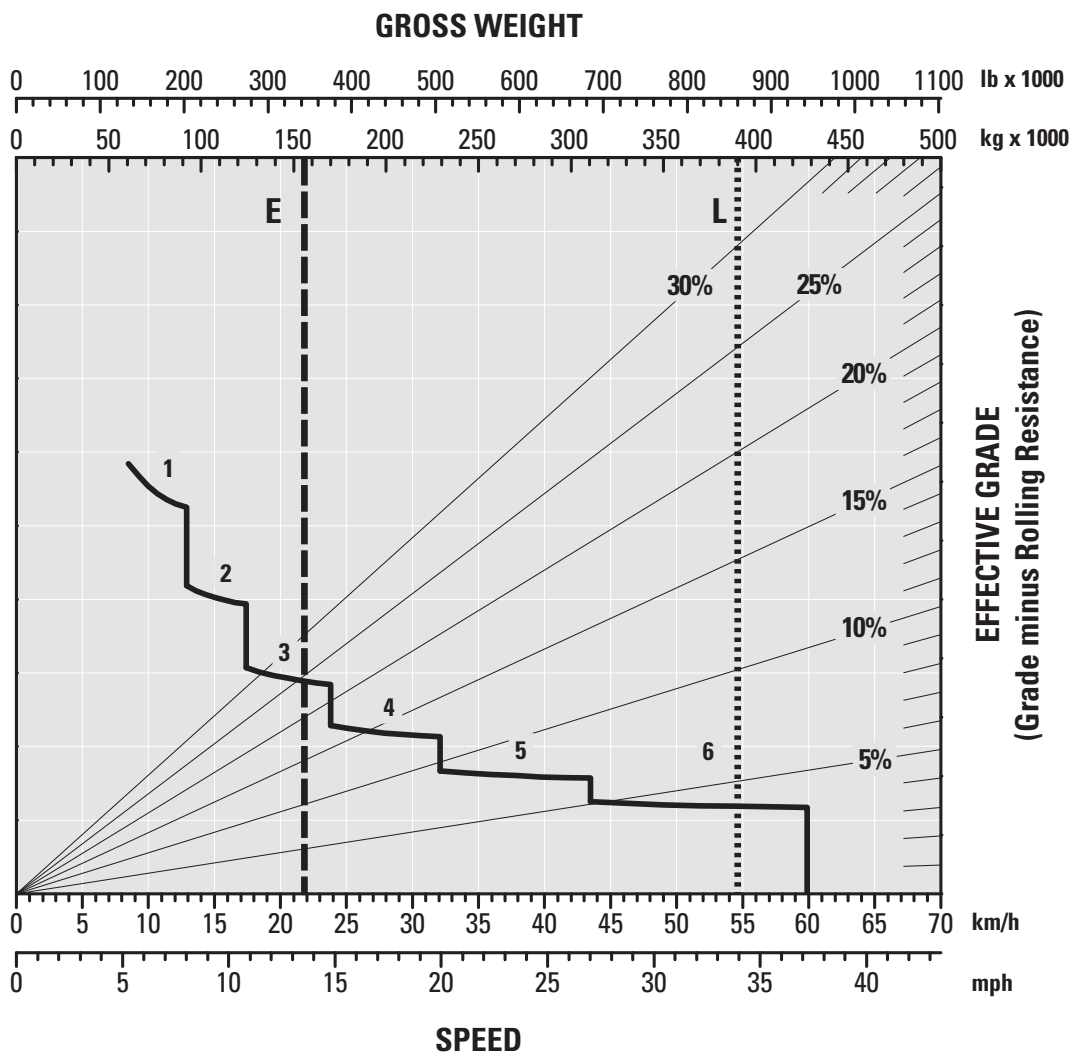
793F Mining Truck

793F Standard Retarding – Continuous*

To determine retarding performance: Add lengths of all downhill segments and, using this total, refer to proper retarding chart. Read from gross weight down to the percent effective grade. Effective grade equals actual % grade minus 1% for each 10 kg/t (20 lb/ton) of rolling resistance. From this weight-effective grade point, read horizontally to the curve with the highest obtainable gear, then down to maximum descent speed brakes can properly handle without exceeding cooling capacity. The following charts are based on these conditions: 32° C (90° F) ambient temperature, at sea level, with 46/90R-57 tires.

NOTE: Select the proper gear to maintain engine rpm at the highest possible level, without overspeeding the engine. If cooling oil overheats, reduce ground speed to allow transmission to shift to the next lower speed range.

----- Typical Field Empty Weight
..... Gross Machine Operating Weight
390 089 kg (860,000 lb)

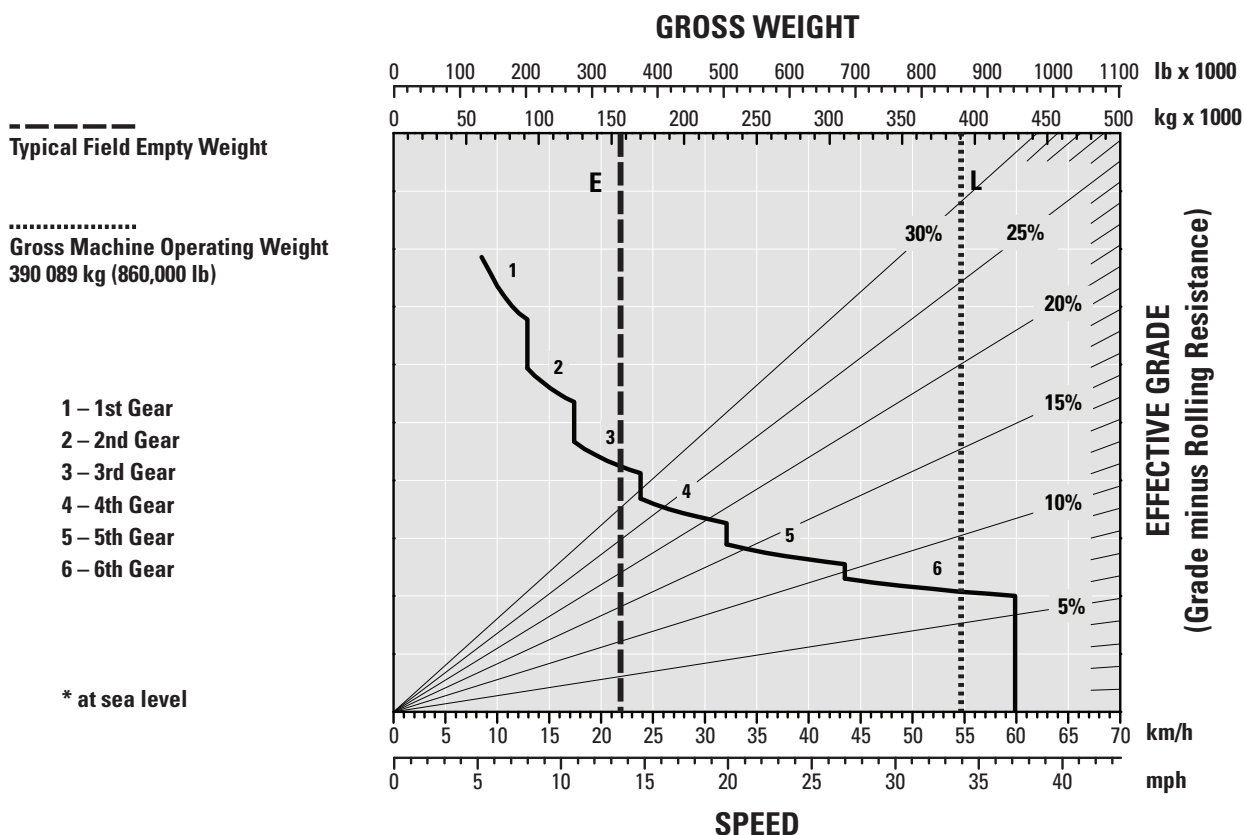


1 – 1st Gear
2 – 2nd Gear
3 – 3rd Gear
4 – 4th Gear
5 – 5th Gear
6 – 6th Gear

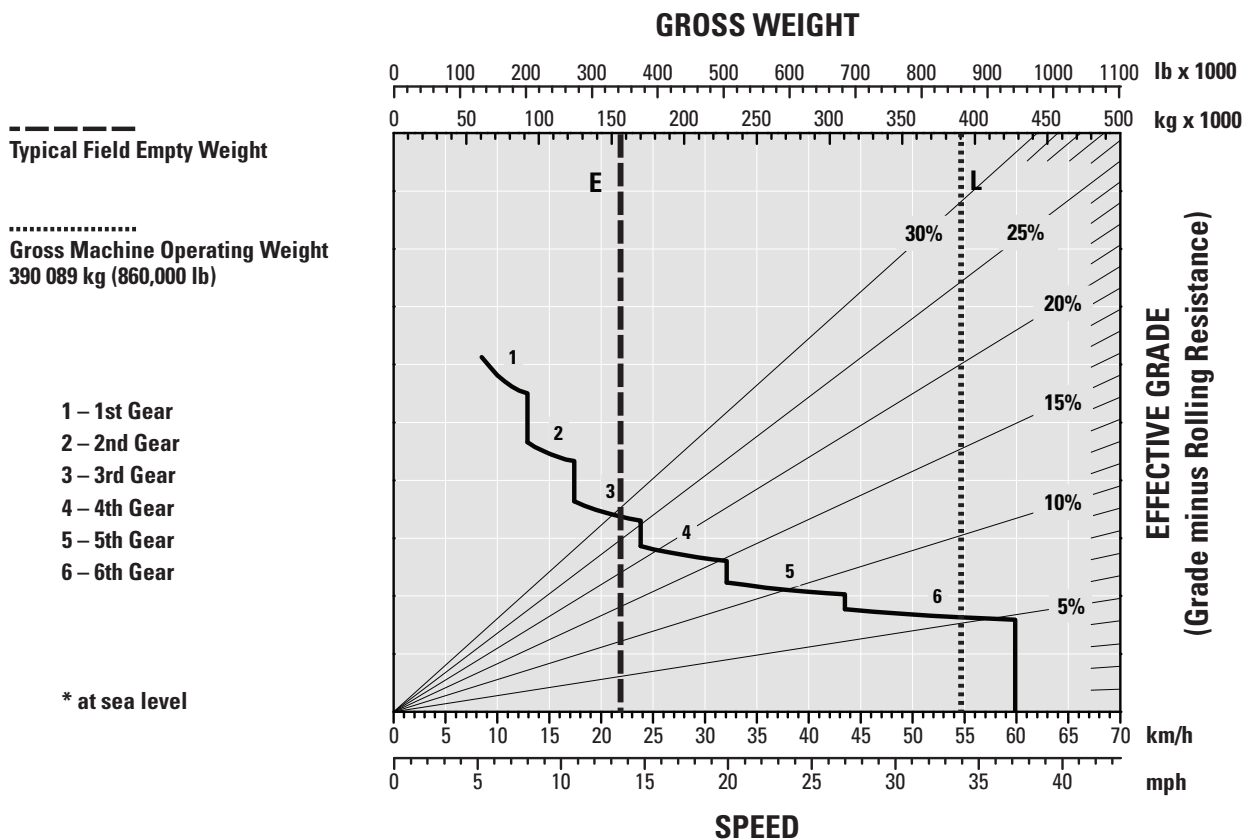
E – Empty
L – Loaded
* at sea level

793F Mining Truck

793F Standard Retarding – 450 m (1,475 ft)*



793F Standard Retarding – 1500 m (4,900 ft)*



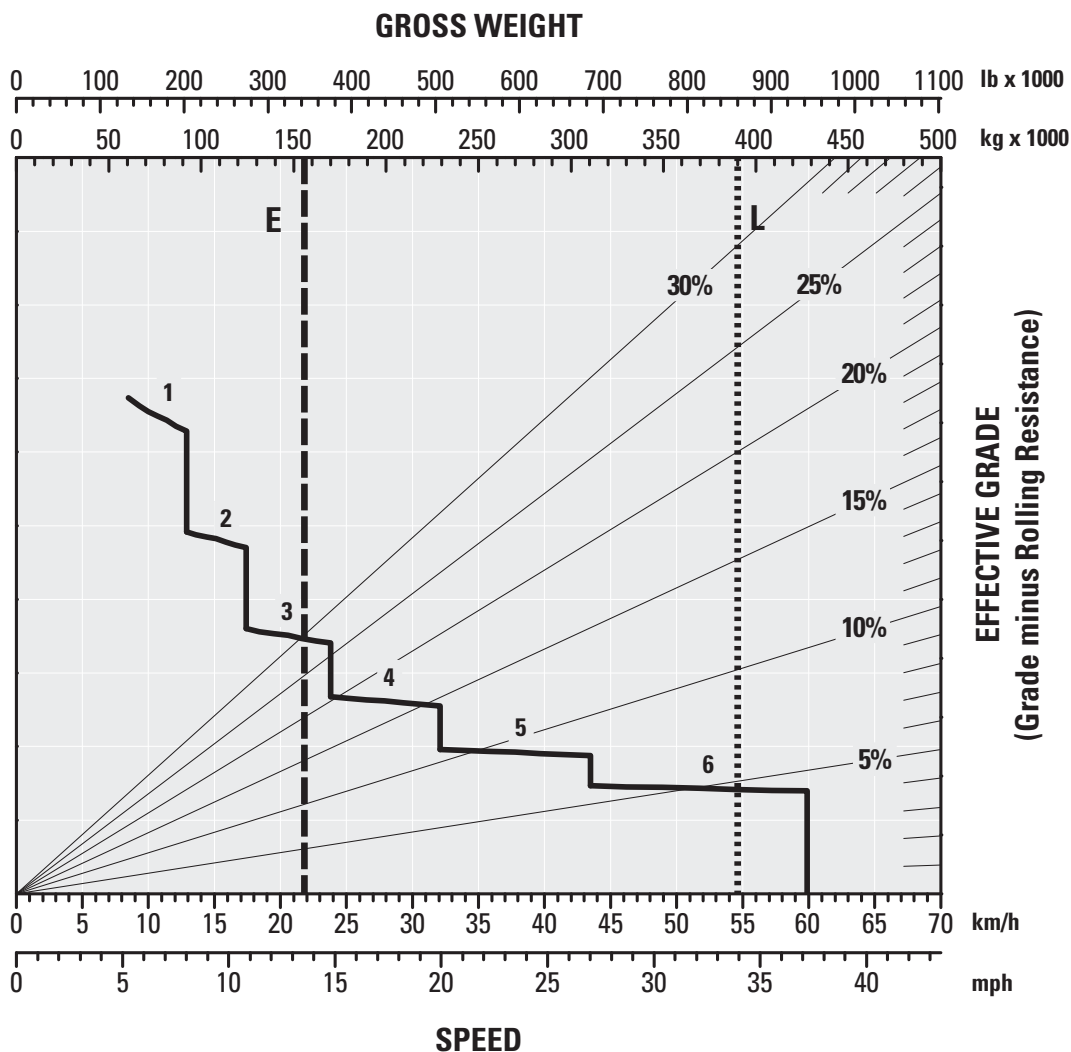
793F Mining Truck

793F Additional Retarding – Continuous*

To determine retarding performance: Add lengths of all downhill segments and, using this total, refer to proper retarding chart. Read from gross weight down to the percent effective grade. Effective grade equals actual % grade minus 1% for each 10 kg/t (20 lb/ton) of rolling resistance. From this weight-effective grade point, read horizontally to the curve with the highest obtainable gear, then down to maximum descent speed brakes can properly handle without exceeding cooling capacity. The following charts are based on these conditions: 32° C (90° F) ambient temperature, at sea level, with 46/90R-57 tires.

NOTE: Select the proper gear to maintain engine rpm at the highest possible level, without overspeeding the engine. If cooling oil overheats, reduce ground speed to allow transmission to shift to the next lower speed range.

----- Typical Field Empty Weight
..... Gross Machine Operating Weight
390 089 kg (860,000 lb)

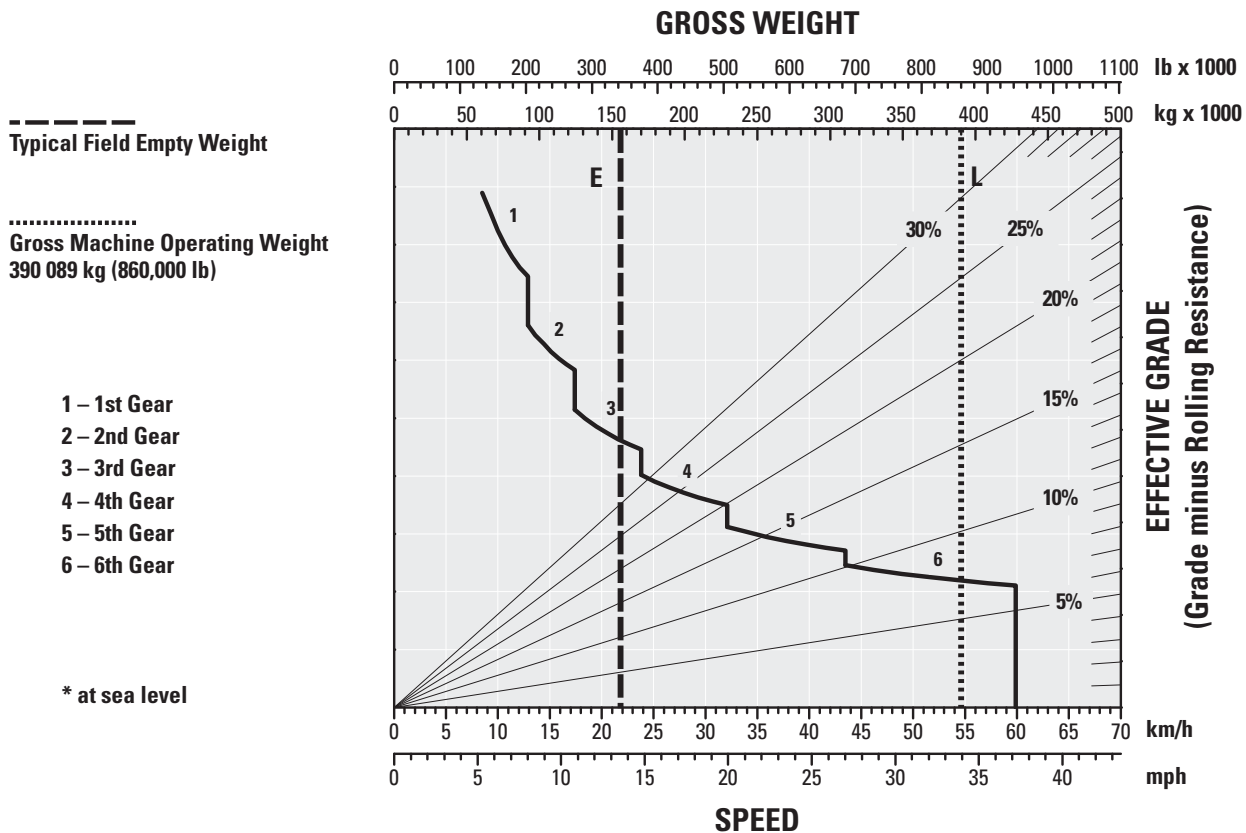


1 – 1st Gear
2 – 2nd Gear
3 – 3rd Gear
4 – 4th Gear
5 – 5th Gear
6 – 6th Gear

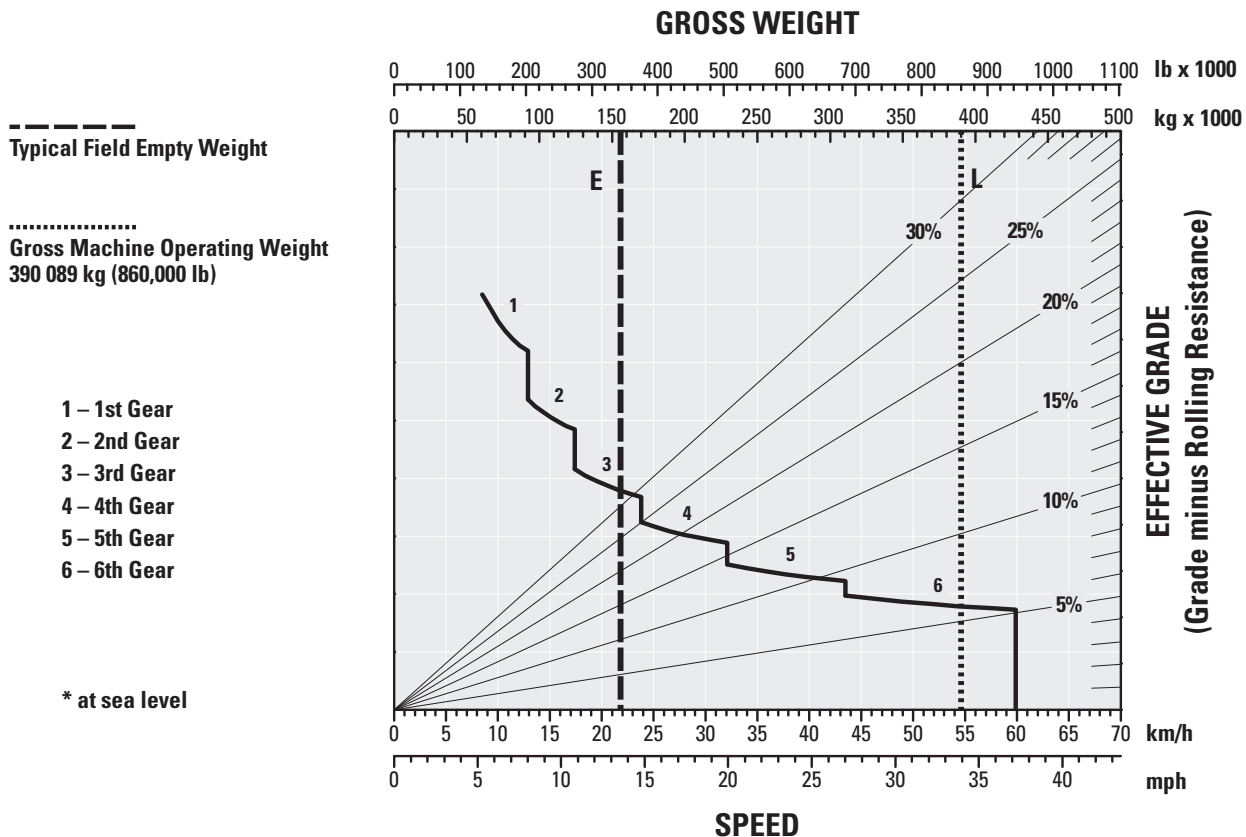
E – Empty
L – Loaded
* at sea level

793F Mining Truck

793F Additional Retarding – 450 m (1,475 ft)*



793F Additional Retarding – 1500 m (4,900 ft)*



793F Mining Truck

Weight/Payload Calculation

(Example)

	793F, SLWS, 29", 40R57*		793F, XLWS, 29", 40R57		793F, XLWS, 32", 50/80R57**	
Truck Body MSD II (209 yd ³ /160 m ³)	MSD Body		MSD Body		MSD Body	
	kg	lb	kg	lb	kg	lb
Gross Machine Operating Weight	386 008	851,000	386 008	851,000	390 090	860,000
Basic Machine Weight ¹	42 638	94,001	42 638	94,001	42 638	94,001
Attachments	78 956	174,068	81 463	179,595	85 145	187,712
Body Weight – Fully Lined MSD II (230 yd ³ /160 m ³)	33 102	72,977	33 102	72,977	33 102	72,977
Operating Machine Weight	154 766	341,200	157 273	346,727	165 783	365,489
3% Debris Allowance ²	4643	10,238	4718	10,404	4829	10,647
Empty Operating Machine Weight (EOMW) ¹	159 409	351,436	161 991	357,129	165 783	365,489
	Tonnes	Tons	Tonnes	Tons	Tonnes	Tons
Potential Target Payload ³	227	250	224	247	225	247

*793F Standard includes: common arrangement, 100% fuel (2,840 L/750 gal), hoist, body mounting group, mandatory attachments, standard wheel station, 29" rims and 40.00R57 Tires.

**793F XLWS includes: common arrangement, 100% fuel (2,840 L/750 gal), hoist, body mounting group, mandatory attachments, extended life wheel station, 32" quick change rims and 50/80R57 Tires.

¹ Weights will vary dependent on configuration and may include $\pm$ 2% variation due to standard material tolerances.

² Calculations include (3% OMW) debris allowance. However, actual debris allowance should be considered based upon known site conditions.

³ It is recommended to work with your Global Mining representative to calculate target payload per specific site.

Caterpillar recommends the customer evaluate all job conditions and consult the Cat dealer and tire manufacturer for proper tire selection. Reference tire limitations with your local tire distributor concerning details of the tires being considered.

Productive capabilities of the 793F are such that, under certain job conditions, TKPH (TMPH) capabilities of standard or optional tires could be exceeded and, therefore, limit production.