

Largest Pacific Model P500 ever sold

By Wayne Magee

Pacific Truck and Trailer Ltd. made some big news recently with the introduction of the largest ever Pacific Model P500. Working closely with Rockwell engineers and broker Les Epinettes Noires Inc., the Pacific Model P500 was designed and built for Barette Chapais Ltée of Chapais, Quebec.

The unit has been approved to the specific haul load at Barette Chapais Ltée. for use in transporting doubles. Gross combination weights will be upwards of 600,000 lbs. or 270,000 kgs. For the most part, it's trucking at its toughest in the back woods of Quebec but the Pacific Model P500 can handle just about anything Barette Chapais Ltée. will throw at it and that's a big plus. There are a couple of grades slightly over 5% on the primary haul road that need to be cut down to improve speed, but the haul is predominantly down hill and the main road is in great shape. This wide and straight main road will allow the large Pacific Model P500 to get the job done.

The Pacific Model P500 has maintained trip times equal to that of smaller 80 to 90-ton metric vehicles also being used on the haul. The use of a Cummins KTA 600 engine with Rockwell SPRC 4806 and 11.32 axle ratio inconjunction with the Fuller Model AT 1202 auxiliary transmission has allowed for optimum (72 km/h) speed and enough start up power to handle 600,000 lbs. of gross combination weight (272,160 kg.). Shown on left is Pacific P500 hauling logs with a single quad axle trailer with gross combination weights of 167,370 kgs. (368,982 lbs.).

This is a good example of severe service application design that exists at Pacific Truck and Trailer Ltd. This clearly shows how Pacific Truck and Trailer Ltd. can help to maximize payloads while working with man and steel. Pacific Truck and Trailer Ltd. — in business to better serve the needs of Canada's trucking industry.



Specifications

Gross weight: 167,370 kg. (368,982 lbs.)
 Net payload: 116,790 kg. (257,474 lbs.)
 Load distribution: Front axle 9350 kg. (20,613 lbs.)
 Truck drive axle 64,730 kg. (142,703 lbs.)
 Quad axle trailer: 93,290 kg. (205,666 lbs.)
 Trailer is manufactured by Rodec
 Pacific dealer is Camion Western Star
 Quebec Inc., Quebec City
 Pacific Model P512PS 6 x 4
 CUMMINS KTA 600 (600 hp @ 2100 rpm)
 Allison Model: CLBT 6062 (ATEC)

Auxiliary transmission: Fuller AT 1202 with 2.04:1 1st; 1.00:1 2nd
 Remote Mounted/elastic torsional driveshafts for reduced shockload
 Front axle: Rockwell FL951 Q (22,000 lb. rated) with double clamp (lug) hub 10.00 x 24 rims
 Rear axle: Rockwell SPRC 4806 11.32 Ratio 92.88" narrow track to allow for bridge and scale clearance with 1400 x 24 tires
 Rear axle has Detroit No-spin.
 Front suspension; Pacific slipper torque rod 22,000 lb.
 Rear suspension: Pacific solid mount

walking beam suspension rated at 150,000 lb. 70" axle spacing
 It is specifically designed for 40" wide frame and 90-93" axle track with higher ground clearance than Hendrickson and frame heights below 53" with 1400 x 24 tires
 Tires: Michelin 14 R24 XVC tread with tubes and flaps
 Maximum road speed is 72 kmh
 The Mesabi core 1512 sq. in.
 The cab is equipped with the Pacific prestige interior package
 5-tone paint job is using Inmount's urethane clear coat base coat paint

Pictured (L to R)
 Yvon Deschênes & Son (owners)
 Andre Morency (Camion Western Star
 Quebec Inc.)

Pacific
TRUCK
 AND TRAILER LTD.

935 WEST 3RD STREET, NORTH VANCOUVER, B.C.
 (604) 985-7121 FAX: (604) 985-5893



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