

GROUP I - QUESTIONNAIRE
TRUCK CAB AND CHASSIS

Manufacturer PETERBILT Model 348 Year 2012

1) Capacity and Size:

GVWR Rating as furnished 50K lb. GCWR as furnished 70K lb.
 Front GAWR 20K lb. Rear GAWR 30K lb.
 Wheelbase 166" in. Cab-to-axle 96.9 in.
 BBC 108" in. AF 60" in.
 Weight: Front 8,011 lb. Rear 5,357 lb.

2) Frame:

Section Modulus 21.4 in.³
 Yield Strength 120K psi
 Resisting Bending Moment 2,568 in. lb. 0

3) Engine:

Manufacturer PACCAR/CUMMINS Model PX8 No. Cylinders 6
 Gross H.P. 330 @ 2200 RPM
 Gross Torque 1000 lb.ft. @ 1400 RPM

4) Transmission:

Manufacturer ALLISON Model 3000 RDS
 Shifter Type PUSH BUTTON (DASH MTD) Shifter Location DASH

5) Axles:

Front axle rating 20K lb. Rear axle rating 30K lb. Ratio 6.14 :1

GROUP I - QUESTIONNAIRE (Cont'd)

6) Brakes:

Type Air Cam 16.5 x 6

Compressor Output 18.7 cfm

7) Springs:

Front Spring Type TAPER LEAF

Front Spring Capacity 20K lb.

Rear Spring Type " "

Rear Spring Capacity 30K lb.

8) Wheels, Rims and Tires:

Rim Type: STEEL P-LUG MOON

Front rim size 22.5 x 9.00

Rear rim size 22.5 x 9.00

Front tire size 315 80R 22.5

Rating 20K Tread M860

Rear tire size 315 8R 22.4

Rating 33,080 Tread M843

9) Electrical System:

Alternator Capacity 130 amp.

Output at idle 90 amp.

Batteries CCA 2700 @ 0°F.

GROUP - II QUESTIONNAIRE
BODY, WING PLOW, CENTRAL HYDRAULIC SYSTEM, LIGHTING SYSTEM

TRUCK BODY

Construction:

Dump Body Manufacturer Air Flo Mfg Model FND-11-RS-U-SS
 Steel gauge, sides 7 ga Floor thickness 1/4"
 Overall length 135 in. Overall width 96 in.
 Side height 34 in. Tailgate height 44 in.
 Struck capacity with sideboards 10.4 yd.3

Hydraulic Motors:

Spinner Motor Manufacturer and Model Charlynn 101-1001
 Conveyor Motor Manufacturer and Model White 200400A1010AAAEC

Hoist:

Manufacturer Mailhot Model CS90-4.5-3DA
 Rating 20 ton
 Dump angle: Forward 0 Rear 50 deg

SNOWPLOWS

Front Plow Hitch:

Manufacturer Concord Road Equipment Model TTN-400-OL-SP-QAA
 Type Low profile, offset lift hitch with sideplate style mounting & quick attach arrowhead receiver

Wing Plow:

Manufacturer Everest Equipment Model Mid Mount Patrol Wing 9' TE-SS
 Moldboard steel gauge: 10 gauge
 Cutting edge length: 8 ft Overall length: 9 ft

GROUP - II QUESTIONNAIRE (Cont'd)**Wing Plow: (Cont'd)**

Heights: Front End 25 in. Rear End 29-1/2 in.

Does design allow moldboard to 'float' on road surface? Yes

CENTRAL HYDRAULICS AND CONTROL SYSTEM**Central Hydraulic System:**

Control Head Manufacturer Storm Guard Model ACS 619

Front Pump: Manufacturer Saver Danfoss Model ERL100

Driveline: Manufacturer Spicer Model 1310 Series

Valves: Manufacturer Saver Danfoss Model PVG32

Pedestal: Manufacturer Stormguard Model ACS 619

Liquid Calcium Wetting System:

Manufacturer Stormguard Model SG06070039-3

TRUCK CAB FLOOR PROTECTION

Material Brand / Identification Perma-Tech/Quick Liner

Material Application method / Thickness Spray/Approx 3/16" thick

Application Company Concord Road Equipment

AUTOMATIC LUBRICATION SYSTEM

Manufacturer Groeneveld

Model EP0

Reservoir Size 4 liter

Lubrication Brand / Description Chevron Multifak EP-00

GROUP - III QUESTIONNAIRE
FRONT REVERSIBLE & CONING PLOW

SNOWPLOWS

Front Plow:

Manufacturer Everest American Snow Plows

Model 12' RAC3351-RR85

Moldboard material UHMW Thickness 3/8"

Cutting edge length 12' ft Overall length 13' ft

Discharge Height 51 in.

Reversing angle (to left and right) 37 degrees