

## **Sarasota National Cemetery Wacker Neuson Dumper DW90 Statement of Work**

### **Scope:**

To fulfill our mission requirements, Sarasota National Cemetery requires a replacement Front End Dumper with the following specifications.

### **Operating data:**

**Payload:** 19,842 lbs.

**Shipping weight ROPS:** 12,486 lbs.

**Shipping weight cabin:** 12,927 lbs.

**Operating weight ROPS:** 12,667 lbs.

**Skip capacity – Leveled:** 4.32 yd<sup>3</sup>

**Skip capacity – Heaped:** 5.75 yd<sup>3</sup>

**Skip capacity – Water:** 2.69 yd<sup>3</sup>

### **Engine / Motor:**

**Engine / Motor manufacturer:** Perkins

**Engine / Motor type:** 854F

**Engine / Motor:** Water-cooled 4-cylinder turbo diesel

**Engine performance – ISO:** 3046/1 73.8 hp

**Displacement:** 207.4 in<sup>3</sup>

**Engine RPM:** 2500 rpm

**Emissions:** T4f

### **Traction drive 4WD, Hydrostatic:**

**Travel speed:** 15.5 mph

**Articulation angle:** 29 °

**Pendulum angle:** 11 °

**Turning radius:** 257.9 in

**Grade ability:** 50 %

**Tires:** Michelin / Turf Tires

**L x W x H ROPS** 204 x 97 x 100 in

### **Steering pump Axial piston pump:**

**Flow rate:** 45.2 US gpm

**Operating pressure:** 6,527 psi

**Duty pump Gear pump**

**Flow rate:** 18 US gpm

**Operating pressure:** 3,408 psi

**Fuel tank capacity:** 21.9 US gal  
**Hydraulic oil tank:** 14.5 US gal  
**Sound level (LwA):** 102 dB(A)

- Overall length 204.1 in
- Wheelbase 106.3 in
- Rear overhang 50.9 in
- Dumping distance 19. in
- Width 97 in
- Skip width swivel skip 89.5 in
- Height total (ROPS) 132 in
- Height tilted ROPS 100.2 in
- Height cabin 127.7 in
- Dump height max. 46 in
- Skip height tilted 152.2 in
- Skip height 83.5 in
- Dumping distance 7.4 in
- Ground clearance 16 in
- Dump angle 40 °

**Maintenance:** Here at SNC we do not have maintenance shop with a mechanic on duty so having the vendor who can supply OEM parts is essential and much more cost effective. Local parts and service support would be provided by the Local Wacker dealer. There would be reduced turnaround on maintenance and parts. An important fact is, that while maintenance is taking place on a piece of equipment a loaner piece of equipment could be acquired to complete the cemetery's mission.

We have used another type of dumper in the past and found out that with parts, supplies and maintenance we were grossly overcharged. Also, the turnaround time was quite long. What would happen is that the third party would order a part for the equipment and up charges it to SNC. This is not including the shipping charges that would be billed.

**Conclusion:**

The Wacker DW90 Dumper a 5-ton class dumper. It offers a payload of 19,842 lb pounds and driving speed up to 15.5 mph, plus its ability to travel across cemetery terrain without causing damage to the turf, makes it extremely versatile for moving suitable fill at any cemetery site. The compact design along with the powerful ISO 3046/1 73.8 horsepower engine allows the DW90 to access to the various sections in the cemetery and provide the power and agility needed to carry a large amount of suitable fill.

The DW90 Wacker Dumper combines a compact design with powerful engine and hydrostatic all-wheel drive making it capable of hauling more in less time, reducing cycle times and increasing efficiency.