



**5880 GALLON (140 BARREL) SINGLE COMPARTMENT  
ULTRA LIGHT LOW PRO STEEL VACUUM TANDEM SEMI TRAILER**



**GENERAL CONSTRUCTION**

<b>MODEL:</b>	STLP-140-S
<b>SPECIFICATIONS:</b>	NON-CODE, NON-SPEC
<b>PRODUCT:</b>	WATER AND VARIOUS WASTE PRODUCTS
<b>MAWP:</b>	23 IN HG/25 PSIG
<b>CAPACITY:</b>	5880 (140 BBL) GALLONS SHELL FULL
	<b>EFFECTIVE DATE: MARCH 18, 2019</b>

**5880 GALLON (140 BARREL) SINGLE COMPARTMENT  
ULTRA LIGHT LOW PRO STEEL VACUUM TANDEM SEMI TRAILER - CONTINUED**

**COMPARTMENTS:** SINGLE

**DESIGN:** FRAMELESS LOW PROFILE BARREL

**SHELL LENGTH:** 480" (40' 0")

**OVERALL LENGTH:** 516" (43'-0") PEAK OF FRONT HEAD TO REAR BUMPER

**SHELL:** .250" A36 STEEL

**HEAD/BAFFLE:** .250" A36 STEEL  
(2) .250 BAFFLES; (1) REAR OF FRONT SUBFRAME AND  
(1) FRONT OF REAR SUBFRAME

**RINGS:** (8) STEEL STIFFINER RINGS

**BUMPER:** 87" WIDE STEEL DOT

**OVERTURN PROTECTION:** WIDEST CENTER OF GRAVITY, LOW PROFILE WITH 102" WIDE AXLES

**DOME COVER:** (4) 20" NAT VAC WING NUT STYLE; ONE TOP FRONT OF VESSELL BETWEEN FRONT HEAD AND FRONT BAFFLE; ONE CENTER OF VESSEL BETWEEN THE BAFFLES; ONE TOP REAR OF VESSEL BETWEEN REAR HEAD AND REAR BAFFLE; MANWAY CENTER OF REAR HEAD.

**VENT:** (1) 1 ½" BRASS PRESSURE RELIEF VENT;  
(1) 1 ½" BRASS VACUUM RELIEF VENT;

**KING PIN:** 48" GROUND TO KINGPIN PLATE; 18" KINGPIN SETTING

**VACUUM EQUIPMENT**

**PRIMARY SHUTOFF:** 12" NVE STEEL;  
3" HOSE BARB OUTLET; PVC BALL CAGE AND STAINLESS STEEL FLOAT BALL; LOCATE AT TOP FRONT OF VESSEL BETWEEN FRONT HEAD AND FRONT BAFFLE

**SECONDARY SHUTOFF:** NVE STEEL 10 GALLON; F-901-8B- -SS  
3" HOSE BARB INLET/3" NPT OUTLET; PVC BALL CAGE AND STAINLESS STEEL FLOAT BALL

**SIGHT GLASS:** NONE

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**PRESSURE GAUGE:** 2 ½" GLYCERIN FILLED PRESSURE/VACUUM GAUGE ON 2" BLOWDOWN LINE AT REAR

**PUMP:** NONE

**AIR HOSE:** 3" PRESSURE/VACUUM HOSE CONNECTING PRIMARY AND SECONDARY

**GASKETS:** BUNA MANHOLE AND VALVE GASKETS

**LOAD/DISCHARGE FITTINGS**

**LOAD AND DISCHARGE:** (2) 4" THREADED FLANGE WITH 4" BUTTERFLY VALVES ON REAR SUMP BOX WITH REDUCER TO 3" WITH BLOWDOWN LINES WITH DRIP PAN

**BODY TRIM**

**LADDER:** AT STREETSIDE REAR

**CATWALK:** FULL LENGTH

**FENDERS:** (2) RIBBED ALUMINUM FULL TANDEM SINGLE RADIUS FRONT  
(2) RIBBED ALUMINUM FULL TANDEM DOUBLE RADIUS REAR  
(2) MUDFLAPS AT REAR AND HALF AT FRONT

**HOSE TRAYS:** HALF LENGTH ALUMINUM HOSE TRAYS

**HOSE HOOKS:** NONE

**CABINET:** (1) STEEL PLATE 18" X 18" X 36" STREET SIDE IN FRONT OF TANDEMS

**PUMP PLATFORM:** NONE

**PLACARDS:** NONE

**LIFTING LOOPS:** NONE

**ELECTRICAL SYSTEM**

**LIGHTS:** TAIL AND MARKER LIGHTS  
3-TAIL LIGHT GROUP EACH SIDE AT REAR. OUTSIDE – RED CLEARANCE/TURN, CENTER – AMBER TURN, INSIDE – RED STOP/TAIL  
(3) MARKER SINGLE FUNCTION LIGHTS PER SIDE

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(1) SEQUENTIAL TURN SIGNAL EACH SIDE NEAR CENTER  
MOUNTED OFF FRONT OF HOSE TUBES  
I.D. CLUSTER ON REAR HEAD  
LICENSE LIGHT AND BRACKET ON REAR HEAD

**WORKLIGHTS:** (2) REAR MOUNTED ON REAR HEAD TO LIGHT DISCHARGE AREA

**UNDERCARRIAGE**

**SUSPENSION:** (2) WATSON & CHALIN 25K AIR SPRING

**AXLES:** (2) 5" ROUND, 71 1/2" TRACK, 5/8" WALL

**BRAKES:** 16 1/2" X 7" "Q" LININGS

**WHEEL END TYPE:** 10 STUD HUB PILOT (HP10)

**HUBS:** (4) STEMCO OIL SEALS AND HUBCAPS

**DRUMS:** (4) OUTBOARD

**DUST SHIELDS:** NONE

**ABS/BRAKE SYSTEM:** MERITOR/WABCO (4S/2M) PLC ABS

**BRAKE CHAMBERS:** (4) 30/30 SPRING BRAKE CHAMBERS

**SLACK ADJUSTERS:** (4) 5 1/2" AUTOMATIC SLACK ADJUSTERS

**WHEELS:** (8) 8.25 X 22.5 STEEL

**TIRES:** (8) 255/70R22.5 ROADONE CHIP RESISTANT

**FRONT COUPLER:** INVERTED STEEL KINGPIN PLATE ASSEMBLY

**LANDING GEAR:** TWO SPEED  
STREETSIDE CRANK AND SAND SHOES  
BOLSTER STYLE BRACKET

**TIRE CARRIER:** NONE

**BUMPERS:** STEEL D.O.T. BUMPER

**FINISH**

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**PAINT:** STEEL PARTS PRIMED AND ACRYLIC ENAMEL

**LINER:** SHERGLASS

**CONSPICUITY:** 2" WIDE REFLECTIVE TAPE  
D.O.T. MINIMUM COVERAGE

**SIGNS:** STANDARD SOUTHERN EMBLEM

**CALIBRATION:** THEORETICAL IN 1" INCREMENTS

**REGISTRATION:** NONE

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