



Specifications



V.I.P. TRUCK MOUNTED COMBINATION HYDRO VACUUM SYSTEM 82 BBL

TANK CAPACITY:

2870 I.G. TWO COMPARTMENT 700 IG WATER AND 2170+ 3% DEBRIS

DESIGN:

DESIGN SHALL WITHSTAND 25 PSI INTERNAL PRESSURE AT FULL VACUUM; AND 15 PSIG EXTERNAL PRESSURE. MEETS SPECIFIC REQUIREMENTS OF SECTION VIII DIVISION I OF THE A.S.M.E. BOILER AND PRESSURE VESSEL CODE. TANK TO BE DESIGNED AND CONSTRUCTED IN FULL COMPLIANCE WITH TRANSPORT CANADA SPECIFICATION CSA B620-03 FOR THE FOLLOWING SPECIFICATIONS 407; 412.

HEAD MATERIAL:

0.3125 SA 516-70

SHELL MATERIAL:

0.3125 SA-36

TANK DIAMETER:

72" O.D. X 180" S – S LENGTH

OPERATING TEMPERATURE:

-20 DEG. F TO 200 DEG. F

HYDROSTATIC TEST PRESSURE:

45.0 PSIG

PRIMARY SHUT-OFF:

6" HEAVY DUTY INTERNAL SHUT-OFF WITH 6" S.S. FLOAT BALL/CAGE ASSEMBLY AND NEOPRENE RUBBER SEAT TOP FRONT OF TANK.

ISOLATION VALVES:

SINGLE 6" AIR ACTUATED BUTTERFLY VALVE C/W SWITCH LOCATED ON DECK.



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CYCLONE:

6" CYCLONE MOUNTED TO 20" O.D. DROP BOX WITH SIDE MOUNTED ALUM DOOR, 2" BRASS VALVE, 16" O.D. WASHABLE S.S. FILTER ELEMENT 50 MICRONS

BAFFLE:

ONE ANTI-SURGE MOUNTED ON REINFORCING PAD

RINGS:

CIRCUMFERENTIAL RING STIFFENERS CONSTRUCTED WITH FLAT BAR

SUCTION VALVE:

TWO – 4" BETTS AIR OPEN/SPRING CLOSED VALVE, ALUMINUM CAMLOCK FITTINGS, WATER JACKETED AND HEATED WITH TRUCK ENGINE COOLANT AIR CONTROL SWITCHES MOUNTED ON REAR DECK.

DISCHARGE VALVE:

ONE – 6" BETTS AIR OPEN/SPRING CLOSED VALVE, ALUMINUM CAMLOCK FITTINGS, WATER JACKETED AND HEATED WITH TRUCK ENGINE COOLANT AIR CONTROL SWITCHES MOUNTED ON REAR DECK.

LIQUID LEVEL INDICATOR:

STAINLESS STEEL CONSTRUCTION ROTARY FLOAT GAUGE WITH 6" S.S. FLOAT BALL, TEFLON U-CUP PACKING, GREASE FITTING AND SIGHT CAGE ASSEMBLY LOCATED IN RECESS ON D/S OF TANK AT FRONT WITH GRAB STYLE INDICATOR.

REAR DOOR:

HYDRAULIC FULL OPENING REAR DOOR ASSEMBLY WITH 6 HEAVY-DUTY WING CLAMPS, NEOPRENE RUBBER REAR DOOR GASKET, DOUBLE ACTING HYDRAULIC CYLINDER

ROLLOVER PROTECTION:

FRONT CENTER & REAR, 4' PIPE CONSTRUCTION OVERTURN WITH REINFORCEMENT PADS AND GUSSETS.

PRESSURE RELIEF:

ONE – 4" S.S. GIRARD DOT 407/412 PRESSURE VENT 25 PSIG SETTING MOUNTED TOP OF TANK



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SAMPLE PORT:

ONE – 4” GIRARD DOT 407/412 PRESSURE VENT 25 PSIG

VACUUM PUMP:

HIBON VTB820 (1400 CFM) 27” HG MAXIMUM VACUUM

SILENCERS:

ONE – 6” EXHAUST AND ONE 6” INTAKE

BLOWER PIPING:

NO DISCONNECT, 6” PIPING TO ALLOW TANK TO DUMP WITH VACUUM SYSTEM CONNECTED

CHANGEVER VALVE:

JUROP 6” 4-WAY VALVE C/W AIR ACTUATOR WITH CAB AND DECK CONTROL SWITCHES

PRESTAGE FILTER:

FILTER ASSEMBLY C/W 100 MICRON STAINLESS STEEL FILTER

BLOWER DRIVE SPECIFICATIONS:

HYDRAULICALLY DRIVEN FROM AIR SHIFT PTO, LINDE PISTON HYD, PTO CONTROL LOCATED IN CONSOLE BY DRIVERS SEAT

AUXILIARY DRIVES:

AIR SHIFT PTO WITH FLANGE MOUNTED TANDEM HYD PUMP TO RUN TWO CIRCUITS: PRIMARY TO WATER PUMP; SECONDARY TO RUN BOOM. SPEED SET TO RUN SOME AS BLOWER, SECOND DRIVE, AIR SHIFT PTO MOUNTED ON TRANSMISSION WITH HYD PUMP TO RUN HOIST, VIBRATOR AND REAR DOOR

HYDRAULIC SYSTEM:

LINDE PISTON (CLOSED LOOP)

HYDRAULIC DUMP SYSTEM:

FULL LENGTH HYDRAULIC DUMP SUB-FRAME WITH 20 TON, 143” STROKE 3 STAGE SINGLE ACTING MAILHOT DUMP CYLINDER, REAR DUMP PIVOT ASSEMBLY, SUB-FRAME SLIDE STOP, NYLON MOUNTED PADS AND SAFETY BRACE



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COOLER:

HYDRAULIC COOLER

HYDRAULIC RESERVOIR:

85 GALLON RESERVOIR, WITH SUCTION STRAINER, DIFFUSER, FILL BREATHER CAP, HYDRAULIC OIL FILTER AND SIGHT GLASS

CONTROL VALVE BANK:

SPOOL VALVE BODY CONTROL OF: REAR DOOR, HOIST, & VIBRATOR. SEPARATE HYDRAULICS TO CONTROL WASH SYSTEM

GAUGES:

GLYCERIN FILLED S.S. VACUUM/PRESSURE GAUGE, HYDRAULIC PRESSURE GAUGE

VIBRATOR:

HYDRAULIC VIBRATOR ASSEMBLY BOTTOM OF TANK WITH REINFORCING PAD, HEAVY-DUTY MOUNTED CHANNEL, PRESSURE RELIEF VALVE AND VARIABLE SPEED CONTROL

SIDE DECK:

FULL-LENGTH 1/8 STEEL CHECKER PLATE ASSEMBLY FENDER ASSEMBLY WITH HEAVY-DUTY OUTRIGGERS WITH REINFORCEMENTS. 1 ¼ TUBULAR HANDRAILS WITH SLANTED UPRIGHTS FOR EXTRA STRENGTH

BOOM:

6" SUCTION BOOM ASSEMBLY WITH 4' EXTENSION, HYDRAULICALLY POWERED FUNCTIONS AND EXTENSION, RETRACTION, RAISE, LOWER ROTATE RIGHT AND LEFT. A SHUT-OFF SYSTEM WITH VALVE. ELECTRIC/HYDRAULIC PENDANT CONTROLS WITH 25FT. OF CABLE. BOOM FULLY EXTENDS TO 16'. 6" DEZURIK AIR/OPEN SPRING CLOSE KNIFE VALVE FOR BOOM NOZZLE TO MEET TC407 REQUIREMENTS.

TRIM:

FOUR NUMBERED PLACARDS, 50' STATIC GROUND CABLE TOOLBOX COMPLETE WITH RAIN LIP, ALL WEATHER SEAL, SITE TO BE DETERMINED ON SPACE AND CUSTOMER REQUEST.



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LIGHTING:

LED LIGHTING WITH TRUCK LIGHTS MAKE SEAL BEAM LIGHTS AT THE REAR CLEARANCE LAMP, REFLECTORS, CLEARANCE MARKERS, JUNCTION BOX, TWO REAR SPOT LIGHTS, ALL WIRING IN PLASTIC TUBING.

CONSOLE:

ALUMINUM CONSOLE INCLUDES: ALL WIRING FOR HOUR METER, ALL LIGHT SWITCHES, PTO SWITCH, AIR VALVE CONTROL, HOIST CONTROL, PUMP SWITCH, ALL BREAKERS, RELAYS AND ACCESS PANEL. MOUNTED ON FLOOR BETWEEN DRIVER AND PASSENGER SEATS

WASH TANK:

FRONT 48" OF TANK COMPLETE WITH 20" MANWAY, 4" DRAIN VALVE, 3" FILL VALVE, AND 2" PUMP SUPPLY LINE AND FLOAT LEVEL INDICATOR, TANK TO BE EPOXY LINED

WASH SYSTEM:

CAT 3517 (14 G.P.M. – 2500 PSI) 30 BHP INPUT AT 800 RPM
TRIPEX PUMP, ALL NECESSARY HYDRAULICS, HOSE AND FITTINGS TO DRIVE PUMP, ELECTRIC HOSE REEL (12V PRESSURE) C/W 80' X 3/4" HIGH PRESSURE HOSE, HAND GUN, WAND AND NOZZLE. INSTALLED INTO A HEATED CABINET (STEEL WITH ALUMINUM CHECKERED DOORS)

HEATER:

980,000 BTU DIESEL FIRED WATER HEATER

CABINETS:

ONE – ENCLOSED FOR HEATER C/W ALUMINUM CHECKER DOORS
ONE – FOR WASH PUMP & REEL (HEATED)
ONE - TOOL BOX DECK MOUNT

PAINT:

COMPLETE UNIT SANDBLASTED, PRIMED AND PAINTED 2 COATS OF ENDURA PAINT.

MUDFLAPS:

FRONT AND REAR OF BACK AXLES

PLACARD:

QUANTITY OF 4 PER UNIT



Specifications



SAFETY:

SAFETY POST FOR HOIST AND REAR DOOR & 20 LB FIRE EXTINGUISHER.

OPTIONS: (INCLUDED)

- CHAIN HOLDERS
- DIESEL FLUSH TANK
- GLYCOL TANK C/W NECESSARY FITTINGS
- SPEED CONTROL FOR VACUUM PUMP/HYDRAFORCE VALVE

EQUIPMENT WILL BE SUPPLIED AND INSTALLED ON A CUSTOMER SUPPLIED ROADWORTHY CHASSIS OR CAMEX SUPPLIED CHASSIS.

CONTACT CAMEX FOR PRODUCT AVAILABILITY AND PRICING

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