SEA HYDRAULIC RAM SERVICE SCHEDULE

This service schedule is not intended to cover every aspect of a site service but should assist the engineer in his work and act as a useful aid memoir.

(Tick relevant boxes or fill-in/delete as required)

Model	Type of ram	Stroke (mm)	Type of internal Locking
Mini Tank ☐	-	270	SC☐ SA☐ AC☐ SB☐
Mark Tank ☐	-	270	SC☐ SA☐ AC☐ SB☐
Half Tank ☐	100 ☐ 200 ☐	270 ☐ 390 ☐	SC☐ SA☐ AC☐ SB☐
Full Tank ☐	100 ☐ 200 ☐	270 ☐ 390 ☐	SC☐ SA☐ AC☐ SB☐

General Condition of the operators

Flexible Cable(s)	Rear brackets & swivel pins	Front bracket & swivel/ball joint(s)
Good ☐ Replace ☐	Good ☐ Replace ☐	Good ☐ Replace ☐

OIL

Any visible sign of oil leaks? No ☐ Yes ☐ If yes, where _____

Check/top-up oil levels with operators in open position. Top up req. yes/no. Oil changed ☐

N.B. The oil should be changed every 2-3 years on normally operated residential applications and at least every year on intensively used sites.

Operation – Are the rams running:-

Smoothly	Quietly	Speed (single ram)	Speed (when operating as a pair)
Yes ☐ No ☐	Yes ☐ No ☐	OK ☐ Slow ☐	OK ☐ Out - which ram? _____.

STOPS

Check open & close physical ground stops are present - Stops OK ☐ Attention req. ☐

Emergency Release; Functioning correctly? Mini/Mark Tank key type

Yes ☐ No ☐ Key No. ☐ Older Hexagon ☐ Blue Robot Head ☐

Operator Pressures

Check the open & close pressure settings: Pressures OK ☐ Pressures Adjusted ☐

Locking – Check hydraulic locking by leaving the gate(s) against stops for 10 minutes minimum
Electric locks and cables should be inspected, adjusted as required and lubricated

Locking OK ☐ Attention required ☐ To what?_____

Lubricate

Ram swivel points ☐ Gate hinges ☐ Grease exposed piston rod (gate in open position) ☐

Please turn over

SAFETY, SECURITY and ELECTRICAL

CRUSH/PINCH POINTS

IMPORTANT: The EU Machinery Directive 97/38EC is now in force. Automatic gate systems are require to have devices to be fitted to them to prevent injury by crushing, pinching or striking.

Operate and check the system for possible crush or pinch points.

Check that any operating/start devices, for example Push buttons, Key or Digital Switch can not be reached and operated by putting a hand/arm through the gate(s). If they can it is dangerous; Change or disable immediately.

If a crush/pinch point is identified, a 'Safety Device' should be recommended and installed to prevent any accidents occurring.

Suitable 'Safety Devices' include; Safety Edges and the 'Safety Gate'. More information on these and other products can be obtained from SEA (UK) Ltd; the telephone number is shown at the foot of this page.

Crush Inspection Check OK ☐ Attention needed ☐ To what? _____

Photocells

N.B. Two sets of Photocells are recommended to provide satisfactory vehicle safety:
One set of Photocells should be fitted on the inside of the gate(s) - just past the opening arc of the gate(s). And a second set on the outside of the gate(s) just past the gate(s) closed line.

Location of the photocells:

Inside & outside the gate(s) ☐ Outside the gate(s) only ☐ Inside the gate(s) only ☐

Check the Photocells operation & condition OK ☐ Attention needed ☐

Loop Detector. Check any Induction Loop(s) fitted is/are working as intended. If a Loop is fitted to provide 'hold open' safety, park a vehicle on the loop to check it will hold for a sufficient amount of time.

Loop(s) OK ☐ Attention needed ☐ To what? _____

Start Devices

Check all 'start' devices work correctly i.e. Radio Tx, Push Buttons, Digital Switch etc.

Start devices OK ☐ In need of attention ☐ Which one? _____

Electrical: Visually check the entire system for any faults or potential faults and infestation.

Electrical Inspection OK ☐ Attention needed ☐ To what? _____

Test the RCD and local 'Isolation Switch'

RCD/Switch Test OK ☐ Attention needed ☐ To what? _____

Notes and comments: _____

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