

Wedge Barrier - Hydraulic

Last Issue Date: 16/12/2016		Type Of Service				
Activity		A	B	C	D	E
1	BLOCKING ELEMENT AND UNDERGROUND HOUSING (Items 1-12)		Y	Y	Y	
2	Visual check entire system for damage, corrosion and deterioration.		Y	Y	Y	
3	Check bearings, bolts and axle support on the hydraulic cylinders for tightness and scissor joint for any damages.		Y	Y	Y	
4	Check tight fit of the proximity switches for the position of the blocking element.		Y	Y	Y	
5	Check the underground housing. Clean if required.		Y	Y	Y	
6	Check operation of housing drainage.		Y	Y	Y	
7	Check warning plate for damage, replace if necessary.			Y	Y	
8	Grease the joint head of the hydraulic cylinders.			Y	Y	
9	Grease the upper and lower bearings of the scissor joints.			Y	Y	
10	Check the integrity of all functional parts. Replace if necessary.			Y	Y	
11	Clean underground housing including oil deposits.			Y	Y	
12	Clear the drainage.			Y	Y	
13	HYDRAULIC DRIVE UNIT AND COMPONENTS (Items 14-21)		Y	Y	Y	
14	Check the general condition of all functional parts including hydraulic lines for damage.		Y	Y	Y	
15	Check hydraulic cylinder/s hydraulic screw connections for leakage, tighten if necessary.		Y	Y	Y	
16	Check oil level in tank, refill if required.		Y	Y	Y	
17	Check system pressure and adjust to specified value if required.		Y	Y	Y	
18	Clean hydraulic unit and surrounding area.		Y	Y	Y	
19	Remove oil filter neck and clean if necessary.			Y	Y	
20	Check air filter and reverse flow filters, clean or replace as necessary.			Y	Y	
21	Clean control cabinet, hydraulic components and motor including for oil residues.			Y	Y	
22	ELECTRICAL CONTROL (Items 23-28)		Y	Y	Y	
23	Check terminal box inside cylinder housing and the terminal box inside the control cabinet.		Y	Y	Y	
24	Undertake functional test of the electrical heater of control cabinet.		Y	Y	Y	
25	Conduct a general functions test.		Y	Y	Y	
26	Check condition of electrical controls.			Y	Y	
27	Check function of contactors and relays.			Y	Y	
28	Conduct a function test.			Y	Y	

Disclaimer - This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
Department of Planning,
Transport and Infrastructure

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29	GENERAL ITEMS				Y	
30	Check all functional parts, connections and screw connections for their integrity and tight fit.				Y	
31	Check oil for the following and change if any present: a) Impurity with water. b) Obvious changes in colour or viscosity. c) Unusual odour. d) General visible impurities.				Y	
32	Clean oil filter.				Y	
33	Clean or replace filter insert.				Y	
34	Check function of all safety devices, including safety edges, main switches, light barriers and safety circuits.				Y	
35	Check all screwed connections are tightened to the required torque.				Y	
36	Record results in log book.		Y	Y	Y	

Special Comments and Technical Data

B SERVICE MONTHLY (THIS SERVICE RECOMMENDED BY THE MANUFACTURER, NOT MANDATORY, INCLUDE IF REQUESTED BY CLIENT)
 C SERVICE 6 MONTHLY
 D SERVICE ANNUAL

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