

Lifts - Vibration Surveying Report

Last Issue Date: 16/07/2018		Type Of Service				
Activity		A	B	C	D	E
1	Undertake Vibration Analysis Testing on each of the lift shafts requested by the Facility Manager at a site (the default is the full bank/suite of lifts) and include the following key components: a) The Lift Motor; b) The Diverter Sheave; c) The Car Sheave; and d) The Counter-weight Sheave. Note: The testing is for Condition Monitoring to identify any faults, including: a) Bearing Faults; b) Lubrication Faults; c) Looseness; and d) Vibration levels.			Y	Y	
2	Provide a CONDITION MONITORING REPORT to the Facility Manager which is to include the following:			Y	Y	
3	SECTION 1/ BRIEF SUMMARY REPORT: On each of the required lift shafts provide a rating (Condition Code) of the key components as either: 0 - Machine Not Running: Data not collected due to inaccessibility, not operational or not required to be monitored at this time. 1 - Acceptable: Machine is in an acceptable/healthy condition. 2 - Minor: A minor fault or suspect component has been identified. Maintenance action may be required. 3 - Significant: A significant equipment fault has been identified. Maintenance action is recommended. 4 - Concern: Equipment condition is critical. A component failure may occur in the immediate future. Maintenance action is now required.			Y	Y	
4	SECTION 2/ DETAILED REPORT: On each of the required lift shafts with Condition Codes of 2, 3 or 4 provide: a) Key Component / Aset ID (e.g. Car Sheave); b) Condition Code; c) The indicated Fault; d) The Diagnosis Confidence Level (as a percentage); e) The Failure probability Factor (as a percentage); f) The number of days to the next survey; g) The Action Priority; h) The Work Notification number/code; i) The Recommendation (Action); j) Asset Comments; and k) Provide Non Synchronous Vibration or Bearing Fault Frequency			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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Activity						
	graphs when applicable. Note: The Report is to note the date of the survey and report.					
5	If a Condition Code of 3 or 4 is obtained for any of the key components the Facility Manager is to be contacted via email and telephonically with the recommendation. (Note: This is to be done in addition to the provision of the report.)			Y	Y	
6	Record the results in the Log Book.			Y	Y	

Special Comments and Technical Data

C SERVICE 6 MONTHLY. (DEFAULT, TO BE DETERMINED ON A SITE BASIS).
 THIS SERVICE IS DISCRETIONARY AND IS ONLY FOR CERTAIN SITES IDENTIFIED AS HIGH RISK BY THE FACILITY MANAGER &/OR OWNER. THIS IS A SECONDARY TDS. FOR THE PRIMARY TDS REFER TO THE `LIFTS' SECTION OF THE TDS SET.
 THIS SERVICE IS TO BE SCHEDULED 1 MONTH PRIOR TO THE PRIMARY LIFT SERVICES TO ENABLE ANY REQUIRED MAINTENANCE TO BE DONE WITH THE PRIMARY SERVICE IF POSSIBLE.
 THIS SERVICE IS ONLY TO BE UNDERTAKEN BY COMPETENT, SPECIALIST TECHNICIANS APPROVED BY THE LIFT MANUFACTURER. LIFT MAINTENANCE IS TO BE DONE IN ACORDANCE WITH EN 13015. FOR GENERAL GUIDELINES ON CONDITION MONITORING & DIAGNOSTICS OF MACHINES REFER TO AS ISO 17359.

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