

LUBRICATION and MAINTENANCE SCHEDULE VIBRO - KING TL SCREEN



Table A-1. Lube and Maintenance Schedule, Vibro-King TL Screen

Maintenance	Daily Start-Up	Daily Shutdown	Weekly	Monthly	Annually	As Req'd	Notes:
Check oil level at sight gauge on non-drive side of vibrating unit. Oil should be at center of glass. Add oil as needed.	X						
Inspect breathers. Clean debris from around breathers.	X						
Check for oil leakage at bearings, shaft seals and casing plugs.	X						
Remove any dirt or plugging material from the wire cloth.	X						
Verify that material flows freely over all screens after start-up.	X						
Inspect wire cloth for uneven wear or holes.	X						
Check that vibrating body floats freely at all times without interference (No contact with chutes or hoppers) Check empty, loaded and during start-stop.	X						
Check vibrating unit for excessive heat.		X					(Above 150°F)
Clean up any spillage around support structure and motor. Clean debris from motor fins and air intakes.		X					

WARNING: Lockout/Tagout power before performing any lubrication, maintenance, adjustments or repairs!

Table A-1. Lube and Maintenance Schedule, Vibro-King TL Screen

Maintenance	Daily Start-Up	Daily Shutdown	Weekly	Monthly	Annually	As Req'd	Notes:
Remove built-up dirt or stone from coil springs and mounts.		X					
Remove built-up dirt or stone from coil springs							
Check vibrator oil for impurities (oil sample)			X				
Check nuts and bolts for tightness or missing fasteners. Check decks for heavily worn hardware or worn cross members.			X				
Check that vibrating unit drive sheave is free of debris and tight on shaft bushing.			X				
Check that electric drive motor output sheave is tight on shaft.			X				
Inspect friction pucks. Replace if surface is worn below usable dimension.			X				
Check live frame for cracks or broken welds.			X				
Check that support structure is level from side to side.			X				
Check support structure for damage, unusual wear, cracks or loose members.			X				
Check V-Belt tension, alignment and condition (Wear, Damage, Contamination).			X				
Remove any built up dirt or other debris from the counterweight and hubs.			X				

Table A-1. Lube and Maintenance Schedule, Vibro-King TL Screen

Maintenance	Daily Start-Up	Daily Shutdown	Weekly	Monthly	Annually	As Req'd	Notes:
Test motor Stop and Start controls (Including E-Stops). If not operating correctly, determine cause and repair.			X				
Check all guards for damage. Check also for tight installation and proper fit.			X				
Grease Labyrinth Seals			X				Or 40 Hours (1-2 pumps)
Clean or replace breathers on bearing housings							Every 6 months or 1500 hours.
Check chutes and hoppers for wear through points or other damage.				X			
Clean out all chutes, hoppers and rock boxes					X		
Inspect vibrating unit toothed timing belt for wear or damage.					X		
Check Speed and Stroke. Verify that speed and stroke combination is correct for your application.						X	Always check if motor or sheaves were replaced.
Change oil in vibrating unit.						X	Change oil every 500 hours.*
Lubricate Electric Motor.						X	Refer to motor mfg instructions.

***Note:** Actual oil change intervals may vary, depending on environmental conditions, grizzly deck size, vibrating unit speed/stroke combinations and other factors. Weekly oil sampling is strongly recommended.

