

DESCRIPTION:	Major Zone 1 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Laidley Sewerage Treatment Plant	STANDARD JOB No.:	LTS507

	Tools & Equipment
	Spare Parts/Materials List
	Castrol LMX Grease
	Castrol SP220 Oil
	CRC TAC2 Adhesive Lubricant
	Primary Settling Tank. Wheel Bearings: Centre Pivot Bearing:
	Raw Sludge Pump. Seals: Bearings:
	Schaeffer's #221 Moly Ultra EP grease or equivalent
	Schaeffer's 209A ISO 220 oil or equivalent
	Reference
	Follow correct shut down procedures before working on any equipment.
	O & M Manual Submittal Package 5HP Floating Brush Aerator – Laidley STP Aerator
	Maintenance Group
	Primary Settling Tank 1
	Raw Sludge Pump Station
	Submittal Package 5HP Floating Brush Aerator
	Procedural Steps
	Before isolating any equipment, where possible observe in running condition. Check for correct operation.
	Primary Settling Tank
	Proceed with the steps below if 2 year overhaul of tank is not due.
	Check bridge wheels for delamination of linings.
	Apply 2 shots of LMX grease to Primary Tank Bridge wheels and centre pivot bearing also checking condition.
	Change oil in Primary Tank Bridge gearbox with SP220.
	Check all bolts. Tighten as necessary.

DESCRIPTION:	Major Zone 1 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Laidley Sewerage Treatment Plant	STANDARD JOB No.:	LTS507

	Raw Sludge Pump Station
	Remove Raw Sludge pump - Change oil, replace wear rings if required and check pump housing and impeller for wear and cavitations.
	Check guide rail, bracket, lifting chain, shackles, pipe work and eye bolts for wear and corrosion.
	Check that valves are operational.
	Return pump to service.
	5HP Floating Brush Aerator
	Fafnir Stainless Steel, Enclosed Tail-Bearing
	Apply 8 to 9 shots of Schaeffer's #221 Moly Ultra EP grease into the grease nipple located on the outside cover of the enclosed Tail- Bearing. Visually inspect the bearing to insure the shaft is aligned in the centre of the bearing.
	Visually check for any debris around the seal, clear any debris. If auto lube fitted, refill.
	Dodge Gear Reducer
	Carry out oil change with Schaeffer's 209A ISO 220. You should put 5 pints of oil in the TA2 gear reducer model used on the 5hp aerators.
	Drive End Bearing
	Apply grease to the Dodge Piloted Flange Bearing. <i>Slowly</i> pump grease until it starts coming out of the bearing.
	Visually inspect the bearing to insure the shaft is aligned in the centre of the bearing.
	Drive Shaft Grease Seal Plates
	Slowly pump 2 to 3 shots of grease into the seal cavity. Visually check for any debris around the seals. Any buildup of solids around the seal, clear any debris.
	Paraflex Coupler
	Visually inspects for any element misalignment or wear of the paraflex coupling element.
	Visually inspect floats, mooring arms, and remove any debris that may be wrapped around the drive and tail shaft.