

DESCRIPTION:	12 Monthly Zone 4 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Bundamba Sewerage Treatment Plant	STANDARD JOB No.:	LTS307

	Tools & Equipment
	Spare Parts/Materials List
	Castrol LMX Grease
	Castrol EPL2 Grease
	Castrol SP220 oil
	Reference
	Maintenance Group
	Secondary Settling Tank 3
	BFP / GDD
	Macerator (Mono Muncher)
	Sludge feed Pumps
	Poly Dosing Pumps
	WAS Storage Tank Mixer
	Procedural Steps
	Before isolating any equipment where possible observe in running condition. Check for correct operation.
	Secondary Settling Tank 3
	Run bridge and check:
	Drive gearbox for leaks / noise / vibration
	Drive Wheel and idle wheel for bearing noise / de-lamination
	Centre Column Bearing for noise / vibration
	Scum Scraper for damage
	Scraper support chains, shackles and mounting points for defects
	Apply EPL2 grease to centre column, drive and idle wheel bearings.
	Check all grease lines and grease nipples for defects.
	Isolate bridge and perform lube maintenance:
	Change bridge drive primary /secondary gearbox oil with SP220.
	Jack up bridge and check drive and idle wheel bearings for play in housing and/or shaft.
	Check drive and idle wheels are secure on shaft.

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	BFP / GDD 1 & 2
	Change BFP drive gearbox oils with SP220.
	Check Variator drive belt for wear and tear.
	Change GDD drive gearbox oils with SP220.
	Check all auto lube canisters and top up with EPL2 grease.
	Check condition of all belts
	Check condition of all rollers
	Check all roller bearings for noise and/or overheating.
	Macerator
	Change Macerator drive gearbox oils with SP220.
	Grease macerator. Apply Castrol AP3 grease to grease nipple below drive gearbox.
	Sludge Feed Pumps (3 of)
	Change Sludge Feed Pump drive gearbox oils with SP220.
	Poly Dosing Pumps (3 of)
	Change Poly Dosing Pump drive gearbox oils with SP220.
	WAS Storage Tank Mixer
	Lift mixer and change oil with White Oil 15 BP.
	Check overall condition of mixer and blade. Check condition of davit, winch and cable.