

DESCRIPTION:	12 Monthly Zone 1 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Bundamba Sewerage Treatment Plant	STANDARD JOB No.:	LTS301

Tools & Equipment	
Spare Parts/Materials List	
Castrol LMX Grease	
Castrol White Oil 15 BP	
Castrol Hyspin AWH100	
Shell Gadus S2 V100 2	
Reference	
Installation, Operation and Maintenance	Manual for Gorman-Rupp Super T Series
Maintenance Group	
Aeration Tank 5	Anaerobic Tank 5
Aeration Tank 4	Plug Valve Pits
Aeration Tank 3	Knife Gate Pits
Anaerobic Tank 3	WAS Pump Station
Anaerobic Tank 4	
Procedural Stens	
Procedural Steps Before isolating any equipment where	e possible observe in running condition. Check for correct operation
Before isolating any equipment where	e possible observe in running condition. Check for correct operation
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LOCATION:	Bundamba Sewerage Treatment Plant	STANDARD JOB No.:	LTS301
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Aeration Tank	4		
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LOCATION:	Bundamba Sewerage Treatment Plant	STANDARD JOB No.:	LTS301

LOCATION:	Buildaniba Sewerage Treatment Plant	STANDARD JOB No.:	L13301
Anaerobic Tan	k 3		
	Lift mixer and clear any build-up of rag and debris	around propeller. Assess con	dition of mixer via
visual inspection	n only.		
	Lift mixer and clear any build-up of rag and debris	around propeller. Assess con	dition of mixer via
visual inspection	n only.		1141
Mixer ∠one 3 – visual inspection	Lift mixer and clear any build-up of rag and debris	around propeller. Assess con	dition of mixer via
	e from penstock spindles and re-grease with LMX (Propos	
Remove grease	e from penstock spindles and re-grease with LMA C	orease.	
Anaerobic Tan			
visual inspection			
visual inspection	Lift mixer and clear any build-up of rag and debris n only.		
Mixer Zone 3 – visual inspection	Lift mixer and clear any build-up of rag and debris	around propeller. Assess con	dition of mixer via
	e from penstock spindles and re-grease with LMX (Grease.	
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	Lift mixer and clear any build-up of rag and debris	around propeller. Assess con	dition of mixer via
visual inspection		a	
Mixer Zone 3 –	Lift mixer and clear any build-up of rag and debris	around propeller. Assess con	dition of mixer via
visual inspection			
Remove grease	e from penstock spindles and re-grease with LMX (Grease.	
WAS Pump 1			
	nd pipe work for leaks.		
Check pumps for	or leaks, noise and/or vibration.		
Remove Back F	Plate Assembly and check condition of impeller and	d wear plate.	
Check gap betw	veen impeller and wear plate, adjust as required. R	ecommended clearance 0.25	mm – 0.50mm.
Check gap betw	veen impeller and seal plate, adjust as required. Re	ecommended clearance 0.64r	nm – 1.02mm.
Replace oil (Hys	spin AWH100) checking for contaminates.		
	ng guard and check condition on couplings and rub	bers.	
	nced manual for guidance.		
	pearings with 10 shots of Shell Gadus S2 V100 2		
	at the grease exit ports are opened during lubrication	nn****	
LIISUIC III	at the groupe oak porte are opened during labilitation	/II	

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	<u> </u>	
WAS Pump 2		-
Check valves ar	nd pipe work for leaks.	
	or leaks, noise and/or vibration.	
Remove Back P	late Assembly and check condition of impelle	er and wear plate.
Check gap betw	een impeller and wear plate, adjust as requir	red. Recommended clearance 0.25mm - 0.50mn
Check gap betw	een impeller and seal plate, adjust as require	ed. Recommended clearance 0.64mm – 1.02mm
Replace oil (Hys	spin AWH100) checking for contaminates.	
Remove couplin	g guard and check condition on couplings ar	nd rubbers.
Refer to referen	ced manual for guidance.	
	earings with 10 shots of Shell Gadus S2 V10	
***** Ensure tha	t the grease exit ports are opened during lub	rication****
Main Plug Valv	e Pit	
	n of valve from ground level. Check valve for	rotation.
Plug Valve Pit I		
Access condition	n of valve from ground level. Check valve for	rotation.
Plug Valve Pit I	No.2	
	n of valve from ground level. Check valve for	rotation.
Knife Gate Valv	ve Pit No.1	
	n of valve from ground level. Check valve for	rotation.
Vnita Osta Vist	ro Bit No 2	
Knife Gate Valv		rotation
access conditio	n of valve from ground level. Check valve for	rotation.
Knife Gate Valv		
Access condition	n of valve from ground level. Check valve for	rotation.

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