

DESCRIPTION:	Major Zone 1 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Boonah Sewerage Treatment Plant	STANDARD JOB No.:	LTS702

C D	anta/Martaniala Lint	
•	arts/Materials List	
	MX Grease	
	SP220 Oil	
	er's #221 Moly Ultra EP grease or equivalent	
Schaeffe	er's 209A ISO 220 oil or equivalent	
Referen	ce	
Follow c	orrect shut down procedures before working on any equipment.	
	eve O & M Manual - Inspection, Servicing and Maintenance section 7	
	lanual Submittal Package 5HP Floating Brush Aerator – Boonah STP Aerator	
B.		
	ance Group	
	ral Sieve	
	Grass Filtration Pump Station	
Submitta	al Package 5HP Floating Brush Aerator	
Procedi	ıral Steps	
	isolating any equipment, where possible observe in running condition. Check for correct opera	
Belore	isolating any equipment, where possible observe in running condition. Oncok for correct opera	
Inlet Str		
•	eve Gearbox and motor for leaks, noise and vibration	
	eve is operating correctly and for defects.	
	Spiral Sieve and :	
	piral Sieve wear rails for wear via holding screw.	
Check s	creen brush for damage and wear.	
Check fo	or widening of sieve basket.	
Check w	ater cleaning system.	
	oil in gearbox with SP220.	
Change	Refill drive end grease chamber.	
	vo ona groupe onamber.	

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Vetiver Grass Filtration Pump 1
Check while running for noise, vibration and leaks at sealing point.
Check top guide rail bracket is secure
Remove pump
Check lifting chain, shackles, eye bolts and guide rail for corrosion and/or defects
Remove element from volute and check impeller condition
Check for signs of mechanical seal leakage and internal condition of volute
Replace oil checking for contaminates
Replace pump checking for good seal
Check ease of operation of isolation valve
Undertake internal inspection of non-return valve checking for wear and correct operation.
Vetiver Grass Filtration Pump 2
Check while running for noise, vibration and leaks at sealing point.
Check top guide rail bracket is secure
Remove pump
Check lifting chain, shackles, eye bolts and guide rail for corrosion and/or defects
Remove element from volute and check impeller condition
Check for signs of mechanical seal leakage and internal condition of volute
Replace oil checking for contaminates
Replace pump checking for good seal
Check ease of operation of isolation valve
Undertake internal inspection of non-return valve checking for wear and correct operation.

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	Boonaii Sewerage Treatment Flant		
5HP Floati	ng Brush Aerator		
Fafnir Stainless Steel, Enclosed Tail-Bearing			
Apply 8 to 9 sho	ots of Schaeffer's #221 Moly Ultra EP grease into the g	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 Re	educer		
Carry out oil cha	ange with Schaeffer's 209A ISO 220. You should put 5	pints of oil in the TA2 gear re	ducer model used
on the 5hp aerate	ors.		
Drive End Bearing			
Apply grease to	the Dodge Piloted Flange Bearing. Slowly pump greas	e until it starts coming out of t	he bearing.
Visually inspect the bearing to insure the shaft is aligned in the centre of the bearing.			
Drive Shaft Gre	ase Seal Plates		
Slowly pump 2 to	o 3 shots of grease into the seal cavity. Visually check for	or any debris around the seals	s. Any buildup of
solids around the	e seal, clear any debris.		
Paraflex Couple	er		
Visually inspects	s for any element misalignment or wear of the parafle	ex coupling element.	
Visually inspect f	floats, mooring arms, and remove any debris that may b	be wrapped around the drive	and tail shaft.
	Fafnir Stainless Apply 8 to 9 sho enclosed Tail- Be Visually check for Dodge Gear Re Carry out oil cha on the 5hp aerat Drive End Bear Apply grease to Visually inspect to Drive Shaft Gre Slowly pump 2 to solids around the Paraflex Couple Visually inspects	Apply 8 to 9 shots of Schaeffer's #221 Moly Ultra EP grease into the genclosed Tail- Bearing. Visually inspect the bearing to insure the shaft is Visually check for any debris around the seal, clear any debris. If auto lub Dodge Gear Reducer Carry out oil change with Schaeffer's 209A ISO 220. You should put 5 on the 5hp aerators. Drive End Bearing Apply grease to the Dodge Piloted Flange Bearing. Slowly pump greas Visually inspect the bearing to insure the shaft is aligned in the centre of Drive Shaft Grease Seal Plates Slowly pump 2 to 3 shots of grease into the seal cavity. Visually check for solids around the seal, clear any debris. Paraflex Coupler Visually inspects for any element misalignment or wear of the parafle.	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 cenclosed Tail- Bearing. Visually inspect the bearing to insure the shaft is aligned in the centre of the 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 reon the 5hp aerators. Drive End Bearing Apply grease to the Dodge Piloted Flange Bearing. Slowly pump grease until it starts coming out of to 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 solids around the seal, clear any debris.

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