

DESCRIPTION:	Intermediate Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Forest Hill Sewerage Treatment Plant	STANDARD JOB No.:	LTS508

Spar	e Parts/Materials List
Scha	effer's #221 Moly Ultra EP grease or equivalent
Scha	effer's 209A ISO 220 oil or equivalent
Lubri	matic/Witco Corporation N11402 marine corrosion control grease or equivalent
Refe	rence
Follo	w correct shut down procedures before working on any equipment.
1 & O	M Manual Submittal Package 5HP Floating Brush Aerator – Forest Hill STP Aerator
1 & O	/I Manual Class I Tornado Aspirating Aerator
Main	tenance Group
	on Aerator
Lago	on Actual
	edural Steps
Befo	re isolating any equipment, where possible observe in running condition. Check for correct opera
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Befo	erent types of aerators are utilised on site. Only 1 type may be operational at any given time. P Floating Brush Aerator
Befo 2 diff 5HF Fafni	re isolating any equipment, where possible observe in running condition. Check for correct operation of a conditions are utilised on site. Only 1 type may be operational at any given time. P Floating Brush Aerator r Stainless Steel, Enclosed Tail-Bearing
Before 2 difference 5HF Fafni Apply	erent types of aerators are utilised on site. Only 1 type may be operational at any given time. P Floating Brush Aerator r Stainless Steel, Enclosed Tail-Bearing 8 to 9 shots of Schaeffer's #221 Moly Ultra EP grease into the grease nipple located on the outside cover of
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Drive End Bearing
Apply grease to the Dodge Piloted Flange Bearing. Slowly 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.
Visitally inspects for any districtic finishing information of the parameter coupling cioniciti.
Visually inspect fleets, meering arms, and remove any debrie that may be wronged around the drive, and tail shoft
Visually inspect floats, mooring arms, and remove any debris that may be wrapped around the drive and tail shaft.
Class I Tornada Aspirating Asyston
Class I Tornado Aspirating Aerator
Lubricate Aerator
Lubricate aerator grease fittings with two shots of Lubrimatic/Witco Corporation N11402 marine corrosion control
grease
Inspect Coupling
Check for wear or presence of rubber dust at the coupling area
3 · · ·
Inspect Propeller
Check for nicks or pits on the propeller. With the propeller firmly in hand, check for both end play and side play.
officer for filers of the properior. With the properior fifthing in filand, effect for both one play and side play.
Inchest Scale
Inspect Seals
Rotate propeller by hand. Propeller should rotate freely. Remove the propeller and cone, then visually inspect
the outer seal. There should not be a gap between the seal and shaft. Pull on shaft to check for end play.
There should not be noticeable end play. An aerator with end play, a gap between the seals and shaft or shaft
rotation that is loose and grinding.

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