

DESCRIPTION:	6 Monthly Zone 1 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Carole Park Sewerage Treatment Plant	STANDARD JOB No.:	LTS316

IC	pols & Equipment
_	
	pare Parts/Materials List
_	nell Gadus S2 V100
	nell Gadus S2 general purpose high pressure
	astrol WM Synthetic Oil – If other Brand used, type & viscosity be equivalent to ISO 320 Full Synthetic
	astrol Alpha SP220
	I Filter – Stauff SFC-3510E 10 Micron Filter Paper
W	hite Oil
Re	eference
Fc	ollow correct shut down procedures before working on any equipment.
Ma	aintenance Group
Αe	eration Tank 1 Aerator
Αe	eration Tank 2 Aerator
Se	econdary Sedimentation Tank 1
Se	econdary Sedimentation Tank 2
Se	econdary Sedimentation Tank 3
W	AS Pump Station 2
Sc	cum Pump Station 2
Pr	ocedural Steps
Be	efore isolating any equipment, where possible observe in running condition. Check for correct operation
	eration Tank 1 Aerator
	neck Aerator motor and gearbox for noise, leaks, vibration.
	neck Aerator Gearbox base and housing for corrosion, defects and tightness of bolts.
	eplace oil in Aerator Gearbox. Castrol WM Synthetic Oil. 16 litres
	oply grease to all Aerator motor greasing points. Shell Gadus S2 general purpose high pressure
	emove Bell Housing inspection cover and check condition of couplings and rubber element.
Re	eplace oil filter with Stauff SFC-3510E 10 Micron Filter Paper. Available from Cooper Fluid Systems.

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	Carole I ark Sewerage Treatment I faint	STANDARD SOD No.:	L10310
Aeration Tank	2 Aerator		
	notor and gearbox for noise, leaks, vibration.		
	Gearbox base and housing for corrosion, defects and	tightness of bolts.	
	erator Gearbox. Castrol WM Synthetic Oil. 16 litres		
	all Aerator motor greasing points. Shell Gadus S2 ge	neral purpose high pressui	·e
	ousing inspection cover and check condition of couplin		
	with Stauff SFC-3510E 10 Micron Filter Paper. Avail		/stems.
Note Oil Pur	np serviced under different work order		
	limentation Tank 1		
	nit for leaks / noise / vibration		
	d idle wheel for bearing noise.		
	Bearing for noise / vibration		
	d grease nipples for defects.		
	olumn bearing. Shell Gadus S2 general purpose high		
	odraught Tube Spindle top and bottom. Shell Gadus S		
	s on Drive Wheel and Trail Wheel. Shell Gadus S2 ge	neral purpose high pressu	re
	and perform lube maintenance:		
	ge drive primary /secondary gearbox. Top up if requir		
	remove covers and check drive & trail wheels for play	on snatt and delamination	
	rail wheel bearings for play on shaft.	الماسية من الماسية من الماسية	
remove drive g	ear unit coupling guard and check condition of coupling	iys and rudders.	
Secondary Sec	limentation Tank 2		
	nit for leaks / noise / vibration		
Drive Wheel an	d idle wheel for bearing noise		
	Bearing for noise / vibration		
Centre Column	Dodning for Holde / Vibration		
Grease lines an	d grease nipples for defects.		
Grease lines an Grease centre d	d grease nipples for defects. column bearing. Shell Gadus S2 general purpose high		
Grease lines an Grease centre d Grease each Up	d grease nipples for defects. column bearing. Shell Gadus S2 general purpose high odraught Tube Spindle top and bottom. Shell Gadus S		essure
Grease lines an Grease centre of Grease each Up Isolate bridge	d grease nipples for defects. column bearing. Shell Gadus S2 general purpose high odraught Tube Spindle top and bottom. Shell Gadus S	62 general purpose high pre	essure
Grease lines an Grease centre of Grease each Up Isolate bridge a Check oil in brid	d grease nipples for defects. column bearing. Shell Gadus S2 general purpose high odraught Tube Spindle top and bottom. Shell Gadus S and perform lube maintenance: lge drive primary /secondary gearbox. Top up if requir	ed Alpha SP220	
Grease lines an Grease centre of Grease each Up Isolate bridge of Check oil in bridge, Jack up bridge,	d grease nipples for defects. column bearing. Shell Gadus S2 general purpose high odraught Tube Spindle top and bottom. Shell Gadus S and perform lube maintenance: lge drive primary /secondary gearbox. Top up if requir remove covers and check drive & trail wheels for play	ed Alpha SP220	
Grease lines an Grease centre of Grease each Up Isolate bridge of Check oil in brid Jack up bridge, Check drive & tr	d grease nipples for defects. column bearing. Shell Gadus S2 general purpose high odraught Tube Spindle top and bottom. Shell Gadus S and perform lube maintenance: lge drive primary /secondary gearbox. Top up if requir	ed Alpha SP220 on shaft and delamination	

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Secondary S	Sedimentation Tank 3
Drive gearbox	x unit for leaks / noise / vibration
Drive Wheel	and idle wheel for bearing noise.
Centre Colum	nn Bearing for noise / vibration
Grease lines	and grease nipples for defects.
Grease centre	e column bearing. Shell Gadus S2 general purpose high pressure
Grease each	Updraught Tube Spindle top and bottom. Shell Gadus S2 general purpose high pressure
Isolate bridg	e and perform lube maintenance:
Check oil in b	ridge drive primary /secondary gearbox. Top up if required Alpha SP220
Jack up bridg	e, remove covers and check drive & trail wheels for play on shaft and delamination.
Check drive &	k trail wheel bearings for play on shaft.
Check condit	ion of couplings and rubbers.
WAS Pump S	Station 2 Shell Gadus S2 general purpose high pressure
	plation valve stem nuts
Check pumps	s 1 & 2 for noise, vibration and/or leaks
	•
Scum Pump	Station 2 Shell Gadus S2 general purpose high pressure
	Station 2 Shell Gadus S2 general purpose high pressure
	Station 2 Shell Gadus S2 general purpose high pressure plation valve stem nuts
	plation valve stem nuts
Grease all iso	plation valve stem nuts
Grease all isc Scum Pump Check pump	No.1
Grease all isc Scum Pump Check pump Remove coup	No.1 for noise, vibration and/or leaks
Grease all isc Scum Pump Check pump Remove coup Check pressu	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts.
Scum Pump Check pump Remove coup Check pressu	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220
Scum Pump Check pump Remove coup Check pressu Check oil leve	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220 el reduction gearbox, top up if required. Alpha SP220
Scum Pump Check pump Remove coup Check pressu Check oil leve	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220
Scum Pump Check pump Remove coup Check pressu Check oil leve	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220 el reduction gearbox, top up if required. Alpha SP220 to 20 PSI. Confer with Plant Operator in case setting has changed.
Scum Pump Check pump Remove coup Check pressu Check oil leve Check oil leve Set pressure	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220 el reduction gearbox, top up if required. Alpha SP220 to 20 PSI. Confer with Plant Operator in case setting has changed.
Scum Pump Check pump Remove coup Check pressu Check oil leve Check oil leve Set pressure Scum Pump Check pump	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220 el reduction gearbox, top up if required. Alpha SP220 to 20 PSI. Confer with Plant Operator in case setting has changed. No.2
Scum Pump Check pump Check pressu Check oil leve Check oil leve Set pressure Scum Pump Check pump	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220 el reduction gearbox, top up if required. Alpha SP220 to 20 PSI. Confer with Plant Operator in case setting has changed. No.2 for noise, vibration and/or leaks bling cover and check alignment and for worn parts.
Scum Pump Check pump Remove coup Check oil leve Check oil leve Set pressure Scum Pump Check pump Check pump Check pump Check pump Check pump Check pressure	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. are setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. bling pump gearbox, top up if required. Castrol Alpha SP 220 bling reduction gearbox, top up if required. Alpha SP220 to 20 PSI. Confer with Plant Operator in case setting has changed. No.2 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. are setting (20 PSI) on each pump. Confer with Plant Operator if setting is different.
Scum Pump Check pump Check pressu Check oil leve Check oil leve Set pressure Scum Pump Check pump Check pump Check pump Check pump Check pressu Check oil leve Check oil leve	No.1 for noise, vibration and/or leaks bling cover and check alignment and for worn parts. ure setting (20 PSI) on each pump. Confer with Plant Operator if setting is different. el pump gearbox, top up if required. Castrol Alpha SP 220 el reduction gearbox, top up if required. Alpha SP220 to 20 PSI. Confer with Plant Operator in case setting has changed. No.2 for noise, vibration and/or leaks bling cover and check alignment and for worn parts.

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