

DESCRIPTION:	6 Monthly Zone 2 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Carole Park Sewerage Treatment Plant	STANDARD JOB No.:	LTS318

	Tools & Equipment
	Spare Parts/Materials List
	Shell Gadus S2 general purpose high pressure
	Shell Gadus S2 V100
	Reference
	Follow correct shut down procedures before working on any equipment.
	Maintenance Group
	Inlet Works Grit Trap & Flow Splitter Area
	Inlet Works Screens Room
	Gravity Drainage Deck (GDD)
	Belt Filter Press (BFP)
	Procedural Steps
	Before isolating any equipment, where possible observe in running condition. Check for correct operation.
	Inlet Works Grit Trap
	Inspect Mixer motor and gearbox for noise, leaks and vibration.
	Check Mixer frame and mounts for defects.
	Check Mixer Gearbox oil level and for contamination, top up if required with Castrol Alpha SP220.
	Flow Splitter Area Penstocks
	Remove old grease on threaded sections and replace with new grease. Shell Gadus S2 general purpose

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Inlet Works Screens Room
Inspect Trommel gearbox and motor for noise, leaks and vibration
Check Trommel primary /secondary gearbox oil levels and for contamination. Top up if required with Alpha SP320.
Grease Trommel support wheel. Shell Gadus S2 general purpose
Check spray bar operation.
Remove coupling cover and check condition of couplings and rubbers.
Inlet Works Conveyor – Accessible from floor level
Inspect Rag Conveyor gearbox and motor for noise, leaks and vibration.
Grease conveyor bearing. Shell Gadus S2 general purpose
Check Conveyor trough for leaks and defects
Inspect Conveyor wear liner.
Inspect Conveyor screw for wear and tear.
Check Conveyor gearbox oil levels and for contamination. Top up if required with Alpha SP320.
Remove coupling cover and check condition of coupling and rubbers
Gravity Drainage Deck (GDD)
Check all bearings for noise / vibration
Check rollers for wear and tear
Check drive Gearmotor for noise / vibration / leaks.
Check Flocculator Gearmotor for noise / vibration / leaks.
Inspect Variator belt for cracking and wear.
Check sealing strips for wear and ensure they are clean.
Check belts for cracks, signs of folding and/or holes.
Check grease levels in auto lubes. Top up as required with grease available on site. Shell Gadus S2 V100
Belt Filter Press (BFP)
Check All BFP bearings for noise / vibration.
Check rollers for wear and tear
Check BFP drive Gearmotor for noise / vibration / leaks
Check BFP belts for cracks, signs of folding and/or holes.
Check Flocculator Gearmotor for noise / vibration / leaks.
Inspect BFP Variator belt for cracking and wear.
Check grease levels in auto lubes. Top up as required with grease available on site. Shell Gadus S2 V100