

DESCRIPTION:	6 Monthly Zone 1 Lubrication Maintenance	FREQUENCY:	6 Monthly
LOCATION:	ST18 Luggage Point WRP	STD JOB ID:	LTS024

Grease and Oils Required		Maintenance Group
Castrol AP3 Grease		Grit Dredger 1
Castrol EPL2 Grease		Grit Dredger 2
Castrol Mollub Alloy 936SF Ope	n Gear Grease	PST Bridges 1A, 1B, 2A, 2B, 5 & 6
Castrol EPX 80W-90	(Spirax 80W 90)	Formic Acid Dosing Pump
Castrol Hyspin AWS68	(Tellus 68)	Effluent Water Pumps
Castrol Alpha SP320	(Omala 320)	
Castrol Alpha SP680	(Omala 680)	
Dry Lube Spray		
Castrol Hyspin AWH100		
Procedural Steps		
Grit Dredger 1		
Grit Dredger Bridge Assembly	,	
Grease all wheel bearings on dri	ve shaft (2 each s	side) with EPL2 Grease
Grease all bogey wheel bearings	with EPL2 Greas	se
Pump		
Grease motor bearing with 2 sho	ots of AP3 grease	•
Check belt tension and condition	. Tension if need	ed.
Check condition of pump and mo	otor pulleys.	
		Hyspin AWH100 checking for contaminates.
Check oil level and top up in nee	eded with Castrol	Hyspin AWH100 checking for contaminates.
Check oil level and top up in nee	eded with Castrol	Hyspin AWH100 checking for contaminates.
Check oil level and top up in nee	eded with Castrol	Hyspin AWH100 checking for contaminates.
Check oil level and top up in nee  Travel Drive  Check gearbox oil level and top	eded with Castrol	Hyspin AWH100 checking for contaminates. required.
Check oil level and top up in nee  Travel Drive  Check gearbox oil level and top  Grit Hopper	eded with Castrol	Hyspin AWH100 checking for contaminates. required.
Check oil level and top up in nee  Travel Drive  Check gearbox oil level and top  Grit Hopper	eded with Castrol	Hyspin AWH100 checking for contaminates. required.
Check oil level and top up in nee  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin	up with SP320 if r	Hyspin AWH100 checking for contaminates. required.
Check oil level and top up in nee  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin-	up with SP320 if r	Hyspin AWH100 checking for contaminates.  required. loy 936SF grease.
Check oil level and top up in nee  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin- Grit Dredger 2  Grit Dredger Bridge Assembly	up with SP320 if r	Hyspin AWH100 checking for contaminates.  required.  loy 936SF grease.  side) with EPL2 Grease
Check oil level and top up in need  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin- Grit Dredger 2  Grit Dredger Bridge Assembly Grease all wheel bearings on dri	up with SP320 if r	Hyspin AWH100 checking for contaminates.  required.  loy 936SF grease.  side) with EPL2 Grease
Check oil level and top up in need  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin- Grit Dredger 2  Grit Dredger Bridge Assembly Grease all wheel bearings on dri	up with SP320 if r	Hyspin AWH100 checking for contaminates.  required.  loy 936SF grease.  side) with EPL2 Grease
Check oil level and top up in need  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin- Grit Dredger 2  Grit Dredger Bridge Assembly Grease all wheel bearings on dri Grease all bogey wheel bearings	up with SP320 if r	Hyspin AWH100 checking for contaminates.  required.  loy 936SF grease.  side) with EPL2 Grease se
Check oil level and top up in need  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spine  Grit Dredger 2  Grit Dredger Bridge Assembly  Grease all wheel bearings on dri  Grease all bogey wheel bearings	up with SP320 if reduced with SP320 if reduced with Mollub Alayers shaft (2 each so with EPL2 Greaters of AP3 grease.	Hyspin AWH100 checking for contaminates.  required.  loy 936SF grease.  side) with EPL2 Grease se
Check oil level and top up in need  Travel Drive Check gearbox oil level and top  Grit Hopper Grease Hopper Valve shaft spin  Grit Dredger 2  Grit Dredger Bridge Assembly  Grease all wheel bearings on dri  Grease all bogey wheel bearings  Pump  Grease motor bearing with 2 sho	up with SP320 if reded with Mollub Alave shaft (2 each something with EPL2 Greaters of AP3 greases). Tension if needs	Hyspin AWH100 checking for contaminates.  required.  loy 936SF grease.  side) with EPL2 Grease se

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	Travel Drive
	Check gearbox oil level and top up with SP320 if required.
	Grit Hopper
	Grease Hopper Valve shaft spindle with Mollub Alloy 936SF grease.
	PST Bridges 1A, 1B.
	Check grease level in auto greaser canister and top up with EPL2 grease if required.
	Check grease lines for leaks and defects
	Remove Main Support Wheels bearing covers and check grease is being injected by auto greaser. If necessary remove grease lines and check flow of grease and for hardening of grease in the lines. Clean and recharge lines if necessary. ***Note - Boat or pontoon may be required for inside wheels.***
	Check oil in Main Drive Gearbox top up if required with Alpha SP320
	Remove guard and check condition of Motor to Main Drive Gearbox couplings.
	Check Cable Reeler gearbox oil top up if required with EPX 80W-90
	Check condition of Cable Reeler couplings.
	Lubricate Draw Off valves spindle with Mollub Alloy Open Gear Grease. 1A (2 of)
	Lubricate Draw Off valves spindle with Mollub Alloy Open Gear Grease. 1B (2 of)
	Inlet Penstock 1A
	Fill Auto Lube with AP2 grease
	Inlet Penstock 1B
	Fill Auto Lube with AP2 grease
	Outlet Penstock 1A
	Fill Auto Lube with AP2 grease
	Outlet Bounds als 4B
	Outlet Penstock 1B
	Fill Auto Lube with AP2 grease
	Scraper Hoist 1A
	Check oil in Scraper Hoist Gearbox top up if required with Alpha SP320
	Remove guard and check condition of Motor to Gearbox couplings.
	Lubricate drive sprockets and drive chain with Mollub Alloy open gear grease
	Visual inspect lifter shaft bearings and blocks for defects.
	Lubricate adjusting arm pivot points with Dry Lube Spray
	Education adjusting anni prvot points with Dry Educ Opray
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	ST18 Luggage Point WRP	STD JOB ID:	LTS024
Scraper Ho	ist 1B		
Check oil in	Scraper Hoist Gearbox top up if required with Alpha	SP320	
	ard and check condition of Motor to Gearbox coupling		
	ive sprockets and drive chain with Mollub Alloy open	*	
Visual inspe	ct lifter shaft bearings and blocks for defects.		
Lubricate ad	ljusting arm pivot points with Dry Lube Spray		
Side Scrape	ers 1A		
Check oil in	Scraper Drive Gearbox top up if required with Alpha	SP320	
Remove cou	upling cover and check condition of couplings and rul	bbers	
Lubricate ch	ains and adjusting screws Mollub Alloy open gear gr	rease	
Grease idler	sprocket bearings with EPL2 Grease		
Grease chai	n tensioner bearings with EPL2 Grease		
Lubricate ad	ljusting arm pivot points with Dry Lube Spray		
Check guide	and support wheels for operation and condition.		
Side Scrape	ers 1B		
Check oil in	Scraper Drive Gearbox top up if required with Alpha	SP320	
Remove cou	upling cover and check condition of couplings and ru	bbers	
Lubricate ch	ains and adjusting screws Mollub Alloy open gear gr	rease	
Grease idler	sprocket bearings with EPL2 Grease		
Grease chai	n tensioner bearings with EPL2 Grease		
Lubricate ad	ljusting arm pivot points with Dry Lube Spray		
Check guide	and support wheels for operation and condition.		
PST Bridge	s 2A, 2B.		
Check greas	se level in auto greaser canister and top up with EPL	.2 grease if required.	
	se lines for leaks and defects		
remove grea	in Support Wheels bearing covers and check grease ase lines and check flow of grease and for hardening ***Note - Boat or pontoon may be required for inside	of grease in the lines. Clea	
	Main Drive Gearbox top up if required with Alpha SF		
	ard and check condition of Motor to Main Drive Gear		
	e Reeler gearbox oil top up if required with EPX 80W		
	ition of Cable Reeler couplings.		
	raw Off valves spindle with Mollub Alloy Open Gear (	Grease. 1A (3 of)	
	raw Off valves spindle with Mollub Alloy Open Gear (		
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Inlet Penstock 2A
Fill Auto Lube with AP2 grease
Inlet Penstock 2B
Fill Auto Lube with AP2 grease
Outlet Penstock 2A
Fill Auto Lube with AP2 grease
Outlet Penstock 2B
Fill Auto Lube with AP2 grease
Scraper Hoist 2A
Check oil in Scraper Hoist Gearbox top up if required with Alpha SP320
Remove guard and check condition of Motor to Gearbox couplings.
Lubricate drive sprockets and drive chain with Mollub Alloy open gear grease
Visual inspect lifter shaft bearings and blocks for defects.
Lubricate adjusting arm pivot points with Dry Lube Spray
Scraper Hoist 2B
Check oil in Scraper Hoist Gearbox top up if required with Alpha SP320
Remove guard and check condition of Motor to Gearbox couplings.
Lubricate drive sprockets and drive chain with Mollub Alloy open gear grease
Visual inspect lifter shaft bearings and blocks for defects.
Lubricate adjusting arm pivot points with Dry Lube Spray
Side Scrapers 2A
Check oil in Scraper Drive Gearbox top up if required with Alpha SP320
Remove coupling cover and check condition of couplings and rubbers
Lubricate chains and adjusting screws Mollub Alloy open gear grease
Grease idler sprocket bearings with EPL2 Grease
Grease chain tensioner bearings with EPL2 Grease
Lubricate adjusting arm pivot points with Dry Lube Spray
Check guide and support wheels for operation and condition.

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 LOCATION:
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Side Scrapers 2	B		
Check oil in Scra	per Drive Gearbox top up if required with Alpha SP320	)	
	g cover and check condition of couplings and rubbers		
	and adjusting screws Mollub Alloy open gear grease		
	ocket bearings with EPL2 Grease		
	nsioner bearings with EPL2 Grease		
	ng arm pivot points with Dry Lube Spray		
	support wheels for operation and condition.		
PST Bridge 5			
Remove Main Su grease	upport Wheel bearing covers. Check grease for contan	nination and repack if	required with EPL2
Grease drive spr	ocket bearings using with EPL2		
Grease main driv	ve shaft bearings using with EPL2		
Check oil in Main	Drive Gearbox with Alpha SP220		
Grease drive sha	aft bearings with EPL2 Grease.		
Check cable reel	er gearbox oil with EPX 80W-90		
	of calling and an according to		
Check condition	of cable reeler couplings.		
	of cable reeler couplings. Off valve spindles with Mollub Alloy Open Gear Grease	. (3 of)	
	, ,	. (3 of)	
Lubricate Draw C	Off valve spindles with Mollub Alloy Open Gear Grease	. (3 of)	
Lubricate Draw C	Off valve spindles with Mollub Alloy Open Gear Grease	. (3 of)	
Lubricate Draw C	Off valve spindles with Mollub Alloy Open Gear Grease	. (3 of)	
Inlet Penstock Fill Auto Lube with	Off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock	Off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock	Off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with	Off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube wit  Outlet Penstock Fill Auto Lube wit  Scraper Hoist Check oil in Scra	Off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease th AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube wit  Outlet Penstock Fill Auto Lube wit  Scraper Hoist Check oil in Scra	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease th AP2 grease the AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube wit  Outlet Penstock Fill Auto Lube wit  Scraper Hoist Check oil in Scra	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease th AP2 grease the AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube wit  Outlet Penstock Fill Auto Lube wit  Scraper Hoist Check oil in Scra	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease th AP2 grease the AP2 grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scra Inspect lifter shafe Side Scrapers Check oil in Scra	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease sper Hoist Gearbox with Alpha SP320. If bearings and grease with EPL2 grease.  Sper Drive Gearbox with Alpha SP320	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scra Inspect lifter shaft Side Scrapers Check oil in Scra Remove coupling	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease  per Hoist Gearbox with Alpha SP320. It bearings and grease with EPL2 grease.  per Drive Gearbox with Alpha SP320 g cover and check condition of couplings and rubbers.	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scra Inspect lifter shafe Side Scrapers Check oil in Scra Remove coupling Lubricate chains	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease sper Hoist Gearbox with Alpha SP320. It bearings and grease with EPL2 grease.  Sper Drive Gearbox with Alpha SP320 In grease cover and check condition of couplings and rubbers. In and adjusting screws Mollub Alloy open gear grease.	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scra Inspect lifter shaft Side Scrapers Check oil in Scra Remove coupling Lubricate chains Grease idler spro	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease  aper Hoist Gearbox with Alpha SP320. It bearings and grease with EPL2 grease.  aper Drive Gearbox with Alpha SP320 g cover and check condition of couplings and rubbers. and adjusting screws Mollub Alloy open gear grease ocket bearings with EPL2 Grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scral Inspect lifter shaft Side Scrapers Check oil in Scral Remove coupling Lubricate chains Grease idler spro	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease  sper Hoist Gearbox with Alpha SP320. If bearings and grease with EPL2 grease.  sper Drive Gearbox with Alpha SP320 g cover and check condition of couplings and rubbers. and adjusting screws Mollub Alloy open gear grease ocket bearings with EPL2 Grease spinoner bearings with EPL2 Grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scral Inspect lifter shaft Side Scrapers Check oil in Scral Remove coupling Lubricate chains Grease idler spro	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease  aper Hoist Gearbox with Alpha SP320. It bearings and grease with EPL2 grease.  aper Drive Gearbox with Alpha SP320 g cover and check condition of couplings and rubbers. and adjusting screws Mollub Alloy open gear grease ocket bearings with EPL2 Grease	. (3 of)	
Inlet Penstock Fill Auto Lube with Outlet Penstock Fill Auto Lube with Scraper Hoist Check oil in Scra Inspect lifter shaft Side Scrapers Check oil in Scra Remove coupling Lubricate chains Grease idler spro Grease chain ten Grease scraper I Grease main driv	off valve spindles with Mollub Alloy Open Gear Grease th AP2 grease th AP2 grease  sper Hoist Gearbox with Alpha SP320. If bearings and grease with EPL2 grease.  sper Drive Gearbox with Alpha SP320 g cover and check condition of couplings and rubbers. and adjusting screws Mollub Alloy open gear grease ocket bearings with EPL2 Grease spinoner bearings with EPL2 Grease	. (3 of)	

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PST Bridge 6			
	pport Wheel bearing covers. Check grease t	or contamination and repack i	f required with EPL2
grease			-
Grease drive spro	ocket bearings using with EPL2		
Grease main drive	e shaft bearings using with EPL2		
Check oil in Main	Drive Gearbox with Alpha SP220		
Grease drive shat	ft bearings with EPL2 Grease.		
Check cable reele	er gearbox oil with EPX 80W-90		
Check condition of	of cable reeler couplings.		
Lubricate Draw O	off valve spindles with Mollub Alloy Open Ge	ar Grease. (3 of)	
Inlet Penstock			
Fill Auto Lube wit	h AP2 grease		
Outlet Penstock			
Fill Auto Lube wit	h AP2 grease		
Scraper Hoist			
Check oil in Scrap	per Hoist Gearbox with Alpha SP320.		
Inspect lifter shaft	t bearings and grease with EPL2 grease.		
Side Scrapers			
Check oil in Scrap	per Drive Gearbox with Alpha SP320		
Remove coupling	cover and check condition of couplings and	rubbers.	
Lubricate chains	and adjusting screws Mollub Alloy open gea	r grease	
	cket bearings with EPL2 Grease		
	sioner bearings with EPL2 Grease		
Grease scraper li	ft ramp rollers with EPL2 grease		
i .	e sprocket bearings with EPL2 grease.		
Grease main sup	port wheel bearings with EPL2 grease.		
Effluent Water P	rump Unit 1		
	nd Motors 6 –8 shots of AP3 grease		
	guard and check condition of couplings and	I rubbers.	
	, game and oncor condition of couplings and		
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Effluent Water F	Pump Unit 2		
Grease Pumps a	and Motors 6 –8 shots of AP3 grease		
	g guard and check condition of couplings and rubbers.		
Formic Acid Do	sing Pump		
	if required with EPX 80W-90		
Raw Sludge Pu	mp 1		
Remove coupling	g guard and check condition of couplings and rubbers.		
Check oil top up	if required with Castrol Hyspin AWH100 checking for c	contaminates.	
Daw Chidae Di	2		
Raw Sludge Pur			
	g guard and check condition of couplings and rubbers.		
Check oil top up	if required with Castrol Hyspin AWH100 checking for c	contaminates.	
Raw Sludge Pu	mp 3		
Remove coupling	g guard and check condition of couplings and rubbers.		
Check oil top up	if required with Castrol Hyspin AWH100 checking for c	contaminates.	
Raw Sludge Pu	mp 4		
Remove coupling	g guard and check condition of couplings and rubbers.		
Check oil top up	if required with Castrol Hyspin AWH100 checking for c	contaminates.	
David Olari	<b>E</b>		
Raw Sludge Pu			
	g guard and check condition of couplings and rubbers.		
Check oil top up	if required with Castrol Hyspin AWH100 checking for c	contaminates.	
Raw Sludge Pu	mp 6		
	g guard and check condition of couplings and rubbers.		
	if required with Castrol Hyspin AWH100 checking for o	contaminates	
ender on top up			

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