

<b>DESCRIPTION:</b>	12 Monthly Zone 4 Lubrication Maintenance	<b>FREQUENCY:</b>	12 Monthly
<b>LOCATION:</b>	ST18 Luggage Point STP	<b>STD JOB ID:</b>	LTS032

<b>Grease and Oils Required</b>	<b>Maintenance Group</b>
Castrol AP3 Grease	MF Feed Pumps
Castrol Hyspin AWS46	MF CIP Pumps
Castrol White Oil (Optileb WOM 14)	MF Reverse Filtration Pump
Castrol Perfecto T68	RO Feed Pumps
	RO Flushing Pumps
	RO CIP Pumps
<b>References</b>	Product Water Pumps
	Washwater Transfer Pumps
<b>Procedural Steps</b>	
<b>MF Feed Pump 1</b>	
Grease motor bearings while pump is running. Apply 2 shots of AP3 grease.	
Remove coupling guard and check condition of couplings and rubbers.	
Check couplings for play and are secure on pump and motor shafts.	
<b>MF Feed Pump 2</b>	
Grease motor bearings while pump is running. Apply 2 shots of AP3 grease.	
Remove coupling guard and check condition of couplings and rubbers.	
Check couplings for play and are secure on pump and motor shafts.	
<b>MF Feed Pump 3</b>	
Grease motor bearings while pump is running. Apply 2 shots of AP3 grease.	
New MF Feed Pump does not require greasing or oil. Bearings greased and sealed for life.	
Remove coupling guard and check condition of couplings and rubbers.	
Check couplings for play and are secure on pump and motor shafts.	
<b>MF CIP Tank Heater Pump</b>	
Grease motor bearings. Apply 2 shots of AP3 Grease.	
Replace oil with Hyspin AWS46.	
Remove coupling guard and check condition of couplings and rubbers.	
Check couplings for play and are secure on pump and motor shafts.	

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<b>MF Reverse Filtration Pump 1</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Grease pump's bearings. Apply 2 shots of AP3 Grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>MF Reverse Filtration Pump 2</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Grease pump's bearings. Apply 2 shots of AP3 Grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>RO Feed Pump 1</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Grease pump's bearings. Apply 2 shots of AP3 Grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>RO Feed Pump 2</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Grease pump's bearings. Apply 2 shots of AP3 Grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>RO Feed Pump 3</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Grease pump's bearings. Apply 2 shots of AP3 Grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>RO Feed Pump 4</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Grease pump's bearings. Apply 2 shots of AP3 Grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.

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<b>RO Flushing Pump1</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Replace pump's oil with Hyspin AWS46.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>RO Flushing Pump 2</b>
Grease motor bearings. Apply 2 shots of AP3 Grease.
Replace pump's oil with Hyspin AWS46.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>RO CIP Pump 1</b>
Replace pump oil with Hyspin AWS46.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
<b>Product Water Transfer Pump 1</b>
Grease motor bearings while pump is running. Apply 2 shots of AP3 grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
Replace oil with Perfecto T68
<b>Product Water Transfer Pump 3</b>
Grease motor bearings while pump is running. Apply 2 shots of AP3 grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
Replace oil with Perfecto T68
<b>Product Water Transfer Pump 3</b>
Grease motor bearings while pump is running. Apply 2 shots of AP3 grease.
Remove coupling guard and check condition of couplings and rubbers.
Check couplings for play and are secure on pump and motor shafts.
Replace oil with Perfecto T68

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	<b>Wash Water Transfer Pump 1</b>
	Check guide rails and top mounting point is secure.
	Remove pump and replace oil with Optileb WOM 14
	Separate element from volute and check condition of impeller, wear rings and housing.
	<b>Wash Water Transfer Pump 2</b>
	Check guide rails and top mounting point is secure.
	Remove pump and replace oil with Optileb WOM 14
	Separate element from volute and check condition of impeller, wear rings and housing.