



DESCRIPTION:	Mechanical – Siebtechnic TEMA BFP Series 7100 – Inspection and Service	FREQUENCY:	
LOCATION:		STANDARD JOB No.:	

SCOPE
Complete inspection and service of Siebtechnic TEMA Belt Filter Press Series 7100 as per relevant task list.
REQUIREMENTS
Complete inspection and service as per relevant task list below.
MATERIALS
Grease - Castrol Heavy Duty Lithium Grease or equivalent*
Oil - Shell Omala 220 or equivalent*
*Equivalents can be used but must be documented for future use. This is to avoid the use of multiple lubricants in application.
BASIC SERVICE
Where possible, observe equipment in running condition before isolating.
Check for unusual noise, vibration, leaks
Apply grease to grease nipples for screen roller bearings. Grease bearings until grease weeps from the seals.
Check all airlines for leaks
CHECK All Allillies for leaks

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INTERMEDIATE SERVICE
Note: Minor repairs and/or additional replacements other than already documented can be undertaken, however, request to be submitted to Urban Utilities for approval before proceeding.
Before isolating any equipment, check for unusual noise, vibration, leaks.
Lubrication:
Apply grease to grease nipples for screen roller bearings. Grease bearings until grease weeps from the seals.
Apply grease to belt tracking and belt tensioning systems at pivot points.
Check oil level in gear motor unit(s)
Clean breather plug
Check gear motor unit(s) is clean (to avoid risk of overheating)
Pneumatic System:
Check all airlines for leaks
Clean air filters
Wash System:
Check condition and operation of wash system
Check condition of and clean out spray nozzles
Check filtrate and spray wash troughs are clean and not blocked
Tracking system:
Check condition and function of tracking system. Pay attention to check rubber is not perished or punctured. Move tracking arm by hand to ensure air discharges from one air spring to the other and does so in both directions. Check pneumatic control arm for wear & tear.
Belt Tensioning System:
Check condition and function of belt tensioning system. Pay attention to check the condition of rubber bellows.
Belt:
Check condition of belt for wear & tear. Pay attention to check edges for fraying and alignment of seam.
Check belt does not contact/rub against metal pans/troughs e.g. spray box or drip tray.
Check alignment of belt. Check for any signs of folding.
Doctor Blades:
Check condition of doctor blades. Check for wear. Check alignment and tension on doctor blades as per OEM
instructions.
Rollers:
Check for unusual wear on the rollers and that they are clean.
Check for unusual wear on the foliers and that they are clean.

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	ote: Minor repairs and/or additional replacements other than already documented can be undertaken, however
	quest to be submitted to Urban Utilities for approval before proceeding.
Be	efore isolating any equipment, check for unusual noise, vibration, leaks.
Lu	brication:
Αp	pply grease to grease nipples for screen roller bearings. Grease bearings until grease weeps from the seals.
Αp	oply grease to belt tracking and belt tensioning systems at pivot points.
Re	eplace oil - gear motor unit(s).
Cl	ean breather plug
Cł	neck gear motor unit(s) is clean (to avoid risk of overheating)
Pr	neumatic System:
Cł	neck all airlines for leaks
CI	ean air filters
W	ash System:
Cł	neck condition and operation of wash system. Check wash box for leaks
Cr	neck condition of and clean out spray nozzles
Cr	neck filtrate and spray wash troughs are clean and not blocked
Cł	neck condition of side seals for deterioration or damage
Tra	acking system:
tra	neck condition and function of tracking system. Pay attention to check rubber is not perished or punctured. Mo acking arm by hand to ensure air discharges from one air spring to the other and does so in both directions. C neumatic control arm for wear & tear.
Re	elt Tensioning System:
	neck condition and function of belt tensioning system. Pay attention to check the condition of rubber bellows.
Вє	elt:
Cł	neck condition of belt for wear & tear. Pay attention to check edges for fraying and alignment of seam.
Cł	neck belt does not contact/rub against metal pans/troughs e.g. spray box or drip tray.
Cł	neck alignment of belt. Check for any signs of folding.
Cł	neck condition of side seals
Do	octor Blades:
	neck condition of doctor blades. Check for wear. Check alignment and tension on doctor blades as per OEM structions.
Ro	bllers:

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Bearings:
Remove bearing caps and check condition of bearings
Check for water ingress and signs of corrosion on the bearings
Check all bearing seals for defects
Renew all bearing house seals
Structure:
Check support frame, body, safety mesh, handrails and platforms for corrosion or defects

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Αŗ	pply grease to grease nipples for screen roller bearings. Grease bearings until grease weeps from the seals.
Ąβ	pply grease to belt tracking and belt tensioning systems at pivot points.
Re	eplace oil - gear motor unit(s).
CI	lean breather plug
CI	heck gear motor unit(s) is clean (to avoid risk of overheating)
Pr	neumatic System:
CI	heck all airlines for leaks
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W	/ash System:
CI	heck condition and operation of wash system. Check wash box for leaks
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CI	heck condition of side seals for deterioration or damage
Tr	racking system:
tra	heck condition and function of tracking system. Pay attention to check rubber is not perishered or punctured. I acking arm by hand to ensure air discharges from one air spring to the other and does so in both directions. C neumatic control arm for wear & tear.
R,	elt Tensioning System:
	heck condition and function of belt tensioning system. Pay attention to check the condition of rubber belows.
R.	elt:
	heck condition of belt for wear & tear. Pay attention to check edges for fraying and alignment of seam.
	heck belt does not contact/rub against metal pans/troughs e.g. spray box or drip tray.
	heck alignment of belt. Check for any signs of folding.
	eplace all side strips and adjust to belt.
	spiase an olde empe and dejuct to both.
	octor Blades:
	heck condition of doctor blades. Check for wear. Check alignment and tension on doctor blades as per OEM structions.
 R	ollers:

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DESCRIPTION:

## JOB PLANS

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	Bearings:			
Remove bearing caps and check condition of bearings				
Check for water ingress and signs of corrosion on the bearings				
	Renew all bearing house seals			
		_		
	Structure:			
	Check support frame, body, safety mesh, handrails and platforms for corrosion or defects			

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