

DESCRIPTION:	Mechanical – ST018 Cloth Media Filter – Inspection and Service	FREQUENCY:	
LOCATION:		STANDARD JOB No.:	

	SCOPE
	Complete inspection and service of Cloth Filter.
	REQUIREMENTS
	Before isolating, listen for unusual noise, vibration, leaks.
	*Equivalents can be used but must be documented for future use. This is to avoid the use of multiple lubricants in application.
	***NOTE: Vacuum tanker is required to empty tank during the Intermediate Service, Major Service and Major Service with Oil Change
	MINOR SERVICE
	Inspect hoses and pipe connections for leaks.
	Check function of level sensor by verifying reading on operator interface with the actual tank level.
	Invert float to verify that high level alarm triggers and starts a backwash cycle. Confirm backwash system is operating properly. Reset alarm.
	Visually check for slack and alignment of chain drives.
	Visually check gears (sprockets) for signs of wear.
	INTERMEDIATE SERVICE
	Inspect hoses and pipe connections for leaks.
	Check function of level sensor by verifying reading on operator interface with the actual tank level.
	Invert float to verify that high level alarm triggers and starts a backwash cycle. Confirm backwash system is operating properly. Reset alarm.
	Clean out any sludge build-up in the tank and clean each of the cloths **See procedure for draining tank and cleaning the cloths on the final page** NOTE: vacuum tanker is required to empty tank
	Visually check each cloth for signs of wear & tear.
	Visually check for slack and alignment of chain drives.
	Visually check gears (sprockets) for signs of wear & tear.
	Check oil level – gearbox. Visually check condition of oil.
	Clean gearbox vent.

[illegible]

[illegible]

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	<p>***PROCEDURE FOR DRAINING TANK AND CLEANING CLOTHS***</p> <ul style="list-style-type: none"> • Partially open the bypass valve (30-35 turns) • Close the effluent inlet valve to the cloth filter • Close the outlet valve of the cloth filter • Isolate the Grundfos ATF pumps and close the pump suction valve • Close the backwash valves and sludge valves • Isolate the hypochlorite dosing pumps • Drain the water in the tank from the drain valve located at the bottom of the tank (effluent inlet side) – connect into a vacuum truck • Using service water pressure, wash the cloth filter until the colour gets as close to the original colour – DO NOT use high pressure water as this can tear the cloth. • Pressure wash the dirt from the wall of the tank, chain and mechanism of the filter in the tank • Remove remaining sludge from the tank • Close the drain valve and fill the tank back up. • Energise the hypochlorite dosing pumps • Open backwash and sludge valves • Energise Grundfos ATF pumps and open the pump suction valve • Open the outlet valve of cloth filter • Open the inlet valve into the cloth filter • Close the bypass valve 		