

<b>DESCRIPTION:</b>	Mechanical – Vogelsang VX136 Rotary Lobe Pump – Inspection and Service	<b>FREQUENCY:</b>	
<b>LOCATION:</b>		<b>STANDARD JOB No.:</b>	

<b>Scope</b>	
	Complete inspection and service of Vogelsang VX136 rotary lobe pump (with dual buffer chambers) and associated pipework & valves.
<b>Materials</b>	
	Manufacturer recommended or equivalent*
	<i>*Equivalents can be used but must be documented for future use. This is to avoid multiple lubricants in application.</i>
<b>Requirements</b>	
	Before isolating any equipment, where possible check for unusual noise, vibration, leaks.
	Check immediate work area is clean and tidy.
	Inspect safety signage for damage or deterioration.
	Inspect accessways and safety barriers (e.g. stairs, platforms, handrails, grates etc.) for corrosion and damage. Report any unsafe condition.
<b>Minor Service</b>	
	Check pressure reading on gauges – pressurised oil bottles (drive end and non-drive end buffer chambers). <i>*Pressure in buffer chambers should be ~1.5 bar (21.7psi)</i>
	Check oil level – pressurised oil bottles.
	Check gearbox oil level – should be halfway full.
<b>Intermediate Service</b>	
	Inspect all associated pipework and fittings for corrosion, damage, leaks.
	Remove cap and clean out non-return valve. Check disc for wear and sealing of valve.
	Check oil level – pressured oil bottles.
	Check gearbox oil level – should be halfway full.
	Change the oil* – drive end and non-drive end buffer chambers. Visually check condition of old oil. <i>*This requires the removal of pressurised oil bottles. The procedure for draining the oil reservoirs and repressurising after completed maintenance is attached. Use hand pump for pressurising the oil bottles. **Pressure in buffer chambers should be ~1.5 bar (21.7psi)</i>
	Change the oil – gearbox. Visually check condition of old oil.
	Remove cover and check condition of coupling rubbers, elements, bolts etc.
	Check tightness of fasteners.

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	<b>Pump Strip &amp; Assessment</b>
	Contact Urban Utilities (maintenance delivery mechanical) for approval before removing pump. <i>*This is to ensure that pump has not been recently replaced.</i>
	Remove pump from site and replace with spare.
	Send removed pump for strip & assessment. Contact Urban Utilities (maintenance delivery mechanical) for approval before proceeding with overhaul or replacement.
	Return overhauled/new pump to warehouse as spare.
	Photo must be provided of the nameplate (serial number) of the pump that has been removed and labelled as such.
	Photo must be provided of the nameplate (serial number) of the pump that has been installed and labelled as such.
	<b>**Note photos are to track rotatables so that it is clear which pump has been installed**</b>