


<b>DESCRIPTION 1:</b>	Pump Screw Archimedes Overhaul	<b>FREQUENCY:</b>	
<b>LOCATION:</b>		<b>STD JOB ID:</b>	

[illegible]



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LOCATION:		STD JOB ID:	
	<u>Gearbox</u>		
	Unit: Dodge MTA II Reducer		
	Overhaul gearbox based on OEM manuals and tolerances, contact Dodge for information		
	Only use genuine parts for service kits		
	Check housing for corrosion, touch-up as required		
	Measure bearing housing roundness and taper refer to bearing catalogue for tolerance.		
	Replace bearings and seals using genuine parts		
	Measure shaft roundness and taper refer to bearing catalogue for tolerance		
	Measure TIR shaft and within tolerance as per OEM manual		
	Measure gear backlash within tolerance as per OEM manual		
	Replace oil with manufacturer recommended and ensure correct oil level ** Required gearbox oil level at site mounting angle as per diagram**		
			
	Inspect condition of oil breather (diaphragm type)		
	Tie rod must be square to the gearbox – follow the Dodge alignment procedure in the manual		
	Provide measurement and inspection results to UU		
	<u>Motor</u>		
	Unit: ABB IE2 3 phase motor		
	Perform megger test within tolerance <1MΩ		
	Replace motor coupling		
	Check shaft TIR at the coupling – max 0.03mm		
	Provide measurement and inspection results to UU		
	Return overhauled pump as a spare.		
	Use CHE168 to submit completion of work.		