

## Client Company Name

### PM Checklists

Equipment System: Decanter 1 X-2701A

Assembly: Cyclonic gearbox

Sum of Task Times: 3184 minutes

Total PM Check time: 3214 minutes

Lead Craft: LT

Downtime Required: Y

Analysis Reference	Task Description	Time (minutes)	2nd Craft	Spare parts required and Quantities	Special Tools Required
1.1.1.1.2	Remove safety guards. Drain and replace the oil in the gearbox. Use type CLP220. Quantity - 15.6 litres. Replace the 2 plug seals with new ones. Replace safety guards.	90	MT	Oil - CLP220 x1 Ltr, Plug seals x2 each,	Oil pump
1.1.1.1.2	Inspect the gearbox for any signs of oil leakage at the seal around the shaft. Clean if necessary. Record your findings.	10			
1.1.1.1.3	Take oil sample from the drained oil and send away for oil analysis. (Do this as part of the 3000 hour service)	10			Clean drum; Sample pot
1.1.1.2.-	No scheduled maintenance	-			
....	Vibration analysis of bearings. Limit must not exceed ISO standards as set in the AMS machinery health manager software (Emerson).	2			Data collector
....	Purge grease on scroll thrust bearings at 1000 hour service. Quantity for DE is 5.0 litres Quantity for NDE is 5.2 litres	40		Grease - type Delta D	Grease gun
....	Vibration analysis of bearings. Limit must not exceed ISO standards as set in the AMS machinery health manager software (Emerson).	2			Data collector
1.1.1.1.	Measure internal diameter of the nozzles. If wear is greater than 2mm then give nozzles 1/4 turn. Replace if required.	15		Decanter nozzle	Internal micrometer
2.1.1.1.	Physical and visual check for fastening integrity. Visual check of cap head screw for wear	5			
3.1.1.1.	If wear is more than 10mm across the contact surface then replace like for like.	15		Weir Plates	
1.1.1.2.	Check how deep the belt is sitting in the pulley. If surface of belt is below OD of pulley then replace the pulley. Check the profile of the pulley for even wear.	10		Pulley 7CBV	
....	Remove debris from pulley as required.	20			
....	Visually check for signs of wear. Check for cracks, signs of degradation. Replace if required with belt SPB-XX.	15		V-Belt SPB-2720	
....	Measure tension of belts x8 using tension guage. Tension should be 27N at 7.8mm. This is detailed in Andritz manual Page 1-4, Drive Belt Tension and Instalation Procedure	30			Belt tension guage
....	Clean and Visually inspect for any sign of damage, chipped or cracked areas, all components present	20		Taper lock KL-6598	
2.1.1.2.	Replace	15		Flexible element ACC635634	
3.1.1.2.	Measure the thickness of the feedtube using UT. The thickness must not be less than 97% of original thickness	60			UT
....	Replace after 24000 hours			Feed tube 34711 A+C (A60+316 material)	