

Factory test of Decanter Centrifuge

Production site:



<b>ACCEPTANCE TEST</b>			Machine number: 5126952				Date: 16/12/2015						
			Decanter type: $\phi 360$										
<b>Test stand:</b>													
Description of measurement parameters 1-4: 1. Total vibration [mm/s r.m.s.] 10-1000 Hz 60 sec. av. 2. Bowl vibration [mm/s r.m.s.] 3. Conveyor vibration [mm/s r.m.s.] 4. Temperature, main bearing [deg. C]													
Interval		Water flow			Measurement of bearing vibrations and temperature								
		5 m <sup>3</sup> /h			Large end				Small end				
		Time	Water temp [deg. C]	Room temp [deg. C]	1 [mm/s r.m.s.]	2 [mm/s r.m.s.]	3 [mm/s r.m.s.]	4 [C°]	1 [mm/s r.m.s.]	2 [mm/s r.m.s.]	3 [mm/s r.m.s.]	4 [C°]	
Test at max speed	Start	8:00 pm	80°	27°	3.00	1.35	2.25	58°	4.30	1.80	3.00	65°	
	End	10:00 pm	80°	27°	2.70	1.60	2.00	48°	3.60	2.10	2.70	52°	
Test at operating speed.	Start	—————			X	—————	—————	X	—————	—————	—————	—————	
	End	—————			X	—————	—————	—————	X	—————	—————	—————	
<b>Oil lubrication system</b>													
Interval Start / stop		Inlet		Supply pressure	Flow		Oil temp						
		Time	Temp. [C°]	PSI	gear end [l / min]	Inlet end [l / min]	Gear end [C°]	Inlet end [C°]					
		—————		—————	X	—————	—————	—————					
		—————		—————	—————	X	—————	—————					
Gearbox temperature immediately after test [deg. C]				54°	Leakage testing of fittings and weldings (tick for check)				—				
<b>Check</b>													
Alignment / adjustment of the pulley and belt pulley from main drive (Test department check)									—				
Leakage check of paring disc				—				Check of 2-touch speed measurement				—	
Check of paring disc connection				—				Check tightness of cover and frame				—	
<b>Remarks:</b>													
Tested by: <i>Sarabjit Kaur</i>						Inspected by:							