

# Monitoring Lab Report



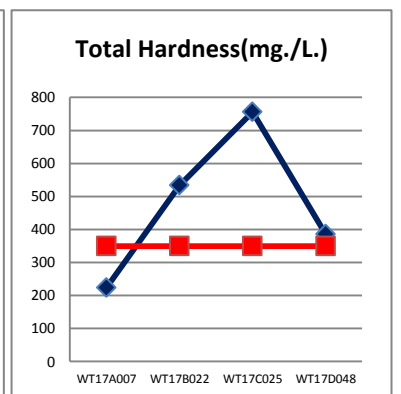
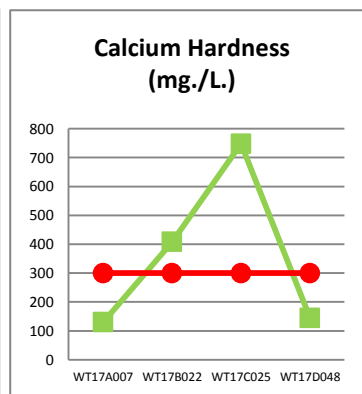
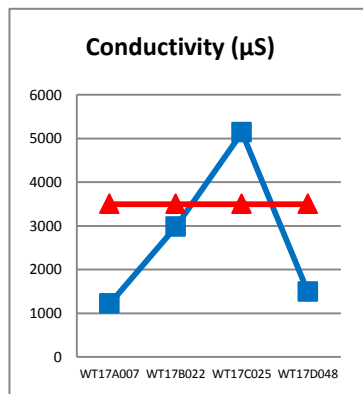
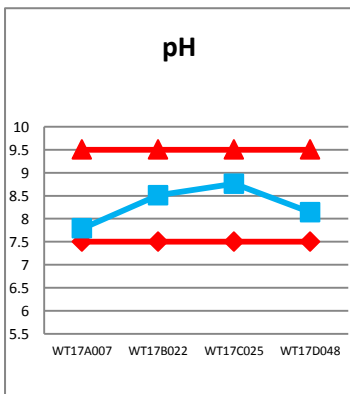
Metal Working Fluids Analysis for Predictive Maintenance & Full Efficiency

## Sample Information:

Report Number.:	WT17D048
Company :	โรงพยาบาลมหาวิทยาลัยเทคโนโลยีสุรนารี
Address :	111 ถ.มหาวิทยาลัย ต.สุรนารี อ.เมือง จ.นครราชสีมา 30000 Tel. 044-376-555
Contact Person :	-
Sample Name :	Water from cooling tower
Machine :	Cooling Tower 3
Date Sample :	4/4/2017
Date Received :	19/4/2017

## Analysis Report:

Test Criteria	Test Method	Unit	Specification	Test Reported			
				WT17A007 12/1/2017	WT17B022 6/2/2017	WT17C025 2/3/2017	WT17D048 4/4/2017
Appearance	Observation			 Light Yellow	 Colorless	 Light Yellow	 Light Yellow
pH	pH Meter	-	7.50-9.50	7.79	8.51	8.76	8.14
Conductivity	Conductivity Meter	µS	< 3,500	1,220	2,980	5,140	1,490
Total Hardness	EDTA-Titrimetric	mg./L.as CaCO <sub>3</sub>	< 350	224	534	756	386
Calcium Hardness	EDTA-Titrimetric	mg./L.as CaCO <sub>3</sub>	< 300	130	408	748	144



## Suggestion and Recommendation:

WT17D048	Total hardness over specification./Drain water out and refill new water.
WT17C025	Cooling water out of specification./Drain water out and refill new water.
WT17B022	Total hardness and calcium hardness over specification./Drain water out and refill new water.
WT17A007	Water in specification
Laboratory Signature:	K. Ampol
Date :	20 Apr 17
Approved Code :	BXR