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Reliability Optimization and Maintenance Skill Optimization Vibration Analysis, Ultrasound Detection, Thermal Imaging, Motor Circuit Testing, Lubrication Management, Wireless Condition Monitoring



SystemCare[™] is a comprehensive skill gap assessment. We evaluate 19 core skill areas with additional skills needed based on the type of facility you have: mill, mine, plant, etc. Our focus is on mechanics, millwrights, electricians, instrumentation techs, pipe fitters, boilermakers and crane operators.

Using Master Millwrights, Master I&E, and Master Maintenance Craftsman who are certified through the National Center for Construction Education and Research (NCCER).

Task	Tech 1	Tech 2	Tech 3	Tech 4	Tech 5	Training needed	10	12
Reading Blue Prints	4	7	6	7	2	Yes x6		
reading Schematics	7	5	3	8	3	Yesx3		
Taking Precision Measurements	4	3	3	3	6	Yes x4		
Welding/ Fab	7	7	7	5	6	No	Total points	120
Pipe Strain	1	3	1	1	3	Yes x5	50% or Below	83
Troubleshooting Skills	6	5	5	6	6	Yes x4	30% or Below	37
Electrical	8	6	4	8	2	Yes x3		
Lubricants and Lubrication	3	5	5	2	5	Yes x5		
Power Transmission Equipment	5	3	5	1	6	Yes x5		
Bearings install	3	5	3	3	3	Yes x5		
Pumps	2	5	5	4	5	Yes x5		
Industrial Rigging Principles and Practices	2	7	8	4	4	Yes x3		
Conveyors	4	5	5	5	6	Yes x5		Į.
Mechanical Drive Maintenance	2	5	5	7	5	Yes x4	•	i
Bearing and shaft seal Maintenance	5	5	4	4	5	Yes x5	_	
Pump Installation and Maintenance	4	4	3	4	4	Yes x5		
Alignment of sheaves	3	3	0	2	1	Yes x5		
Coupling Shaft Alignment	4	4	2	3	1	Yes x5		
Flange and Pipping Install and Bolt up	4	6	4	5	5	Yes x5		
Planning and Scheduling	7	7	4	6	6	Yes x3		
Valve Maintenance- ID	5	6	4	6	5	Yes x5		
Inst. Calibration, Hart Com use	6	6	2	7	1	Yes x4		
Regulator install maintenance	7	7	6	7	7	No		
Belt Maintenance Tensioning	4	4	5	4	3	Yes x5		
Possible	230	230	230	230	230			
Actual	107	117	99	112	100			
Against world Class Maintenance	47%	51%	43%	49%	44%			

We use your **real work** orders and actual **hands-on exercises** with your tools, on your equipment, at your site.

Our technical experts dedicate oneon-one time for each technician. The tech demonstrates how they measure up on all pertinent skills for your site while not losing wrench time.

The assessment identifies skill gaps based on the NCCER criteria for the particular craft.

SystemCare[™] results are reported as a score with recommendations for improvement.

The strengths and the weaknesses in functional performance are documented via quantitative benchmarking. This provides a recorded measurement of tangible factors that affect maintenance performance.

The skill is either demonstrated with competence or it is not.

A TIP (technical individual program) of improvement is generated for each person. This TIP is used to create, track and document progress in their training program.

TASK	ASSESSMENT	CORRECTIVE ACTION / TRAINING
Electrical	8 out 10	No Training is needed
Mechanical sys.		
Lubricants and Lubrication	3 out of 10	lubrication best practice technic
Power Transmission Equipment	5 out of 10	has basic knowledge on inspections, no internal inspection experience him better at inspections, repair, PM's when I return.
Bearings install 3 out 10		has little knowledge on bearings I will work with on what the difference between the bearings are, proper installation of bearings and the proper lubrication procedures.
Pumps	2 out 10	has very little rebuilding and install experience, I will work with him on the proper procedures to Rebuild, install and align pumps.
Industrial Rigging Principles and Practices	2 out of 10	has no formal rigging training, I will training on the safety and proper technic of industrial rigging

FPA also delivers gap closure training to address the deficits named within the TIP.

