Case Study Sample Job Plan

Maintenance Job Planning/Estimating Worksheet					
Planner:	Michael Roberts	Work Order#:	472464	Date:	05/16/21
Job Contact:	Jason Battalia	Job Location:	Mixer #7	Equipment #	26
Job Description:	Install spare gear box (GB)				

Job Scope				
Seq #	Operation Description	Craft	# Crew	Estimated Hours
10	Lock out equipment	GMM	4	2.5
20	Remove oil piping	GMM	2	.5
30	Remove motor	GMM	2	1
40	Break chain	GMM	1	.25
50	Unbolt/remove GB	GMM	2	1
60	Set/bolt/align GB	GMM	4	.5
70	Reinstall motor	GMM	2	.5
80	Tighten v-belts	GMM	1	.5
90	Install chain	GMM	1	.25
100	Install oil pump and piping	GMM	1	.5
110	Install guards	GMM	2	.25
120	Fill GB with oil	GMM	2	.5
130	Energize and test	GMM	1	.25
		Total Hours:		**6.5**

Materials Required					
Seq #	Material Data/Catalog # or Description	Quantity/ Unit of Measure (UOM)	Price	Required Date	Sloc (storage location)
	Gearbox	1	50,000		
	G1 2050, 5" Bore STD key		250		
	15 gal oil		100		
	Shim stock available		25		
	Chain lube		5		
		Total $:	$50,380		

Safety Requirements							
Permit		Confined Space		Hot Work		Respirator	
SCBA		Asbestos Removal		Other			
Additional Comments:							

Tools Needed

1 6-ton crane, 10 ton lifting straps, eye bolts (4) 3/4, 1 1/2 socket wrench, 3/4" drive ratchet, 1 1/4 slug wrench, hammer induction heater, laser alignment, assorted hand tools for piping and electric motor, 1-1/4 combo wrench

Equipment

10-ton crane, laser alignment, induction heater, fork lift

Operation Notes