ESTIMATION MAINTENANCE SERVICE COST OF RIGID DUMP TRUCKS CLASS 50-70 TONNAGE FOR MAINTENANCE SERVICE CONTRACT IN PT ABC

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Abstract

Study on estimation service cost of heavy equipment is very interesting topic nowadays. The heavy equipment have unique characteristics such as require high investment, have complex components, and require high availability. When the equipment was broken, the company that using equipments for their business operation will lose much revenue. If the company keep their maintenance activities by themselves, of course it will be costly. So, the company that using heavy equipment will make an agreement with maintenance service provider to maintain their equipments. This agreement is known as maintenance service contract.

This study estimates maintenance service contract cost of Rigid Dump Trucks Class 50-70 Tonnage in PT ABC. PT ABC hasn’t make estimation for the number of failure and number of downtime for the equipment yet. The estimation for number of failure and number of downtime are need to know to estimate the service cost must be issued by PT ABC.

The result shows that average estimation number of failure for equipment is 38 failure per unit per year. The average estimation downtime equipment is 527 hours per unit per year. Last, the estimation of maintenance service cost is $60.590,88. The differentiation between the result and the estimation cost by PT ABC is $5.921,4.

Keywords: estimating cost, rigid dump truck, service contract
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