DESIGN OF CHASSIS AND TRANSMITION SYSTEM ON SALT HARVESTING TOOL

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Abstract
Salt scavengers process is one of the processes in the salt harvesting conducted after alignment process. At the time of harvesting the salt was still using traditional tools so that the process is slow and inefficient. Therefore salt scavengers have been designed multifunction devices that can perform all process in salt harvesting. System scavengers on this tool has been designed by Rico and Very (2009) with capacity 15, 16 tons / hour. And at the end of the task is designed chassis as the main pillar of salt scavengers tools and systems that facilitate the transmission of scavengers tools to move and maneuver salt on the table salt.

Frame of chassis is designed with materials resistant steel with corosity caused by the salt content. While the selection tool belt on the transmission of salt scavengers transmission system is expected as a safe and capable of transmitting power at the time of moving and maneuvering on the table salt that has a coefficient of friction of 0.2.

Key word : Salt harvesting tool, chassis, transmition system