ABSTRACT

The plate is one of the main requirements for making a series of trains. Machine hydraulic shear is a cutting machine that works by using a hydraulic system. Cutting plates are beginning the process of making a series of trains. Cutting machine makes it easier and speed up the process of cutting plates.

If the mower plate is damaged, then the production process that would otherwise be experiencing delays and would be very detrimental to the company. Damage that often occurs on this machine is a hydraulic pipe leak. Leaks often occur at pipe joints. All this is caused because the pressure and oil temperature is very high. To prevent or minimize this damage diperluhkan maintenance and repair process. Improvement often happens is that by disconnecting the pipe hidroulik back and do the welding process. But it is less prone to problems of pipe on this engine hasa very minimum thickness.

Conclusion, because frequent leakages in pipes hydraulic gate beam shearing machine, then the pipe will be replaced with hydraulic hose. Which is elastic hose can withstand hydraulic pressure is high enough. By the turn of the pipe with a hose, this machine will be bekarja optimally and not leaking anymore. By comparing the parameters of the gate beam hydraulic machine shearing machine with shear Amada machine gap, will be known spec hose to use for this machine.

Key words: hydraulic, piping, hydraulic hose.