MF Eco machine Certification System Registry （Press Machines）

Certification number	MF-P006		Product Scope	Hydraulic Press: Kawasaki Ecology Economy Press KEEP-D5000
Registered company	KAWASAKI HYDROMECHANICS CORP.		Certified Product	KEEP-D5000
Criteria-based product(production)	DP2-500(Jan, 2005)			

Requirements & environment factors		Evaluation item	Criteria	Evaluation result and/or remarks
(1) Essential requirement				
Energy saving	Energy consumption	Reduction ratio	25% or more reduced	**39%**
				based on JFMA criteria
(2) Selective requirement				
Energy saving	Energy consumption	Electric power consumption when loaded	25% or more reduced	**43%**
				The reduction of power consumption per unit is applied at the time of loaded operations per JFMA criteria
Resources saving	Shrinkage of space/items	Lower height	10% or more reduced	**X**
		Number of air/ hydraulic pressure	10% or more reduced	**X**
	Operating oil	Consumption volume	10% or more reduced	**X**
Environment conservation	Noise/vibration	Noise when loaded	3dB or more reduced	**X**
Minimum selective requirement		3 items or more		**5 items**
(3) Recommendation requirement		Names of equipped devices/functions	Summary of effects on environmental burden reduction	
Environment factor	Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil)	Servo valve control system	Most suitable flow control enables energy saving in circulation of operating oil. Improvement of output (pressure) control enables energy saving on motor.	
		Light beam safety equipment	Light beam safety equipment secures on-sight operator's safety.	
		Maintenance counter	Counter indicates the time of oil change, specific voluntary inspection, replacement of expendables.	
		remote monitoring system	remote press operation monitoring enebles quick trouble-shooting.	
Minimum recommendation requirement		3 items or more	**4 items**	