

Rating definition charts | Marine diesel engines – Medium speed

Rating definitions for the SU engine series for auxiliary generator application are as per the table below:

Rating		Overload operation	Definition	Required condition for warranty				
				Load/operating hours			Overhaul interval after delivery (maximum)	
				Average load factor / 24hrs	Average load factor/year	Operating hrs / year	Top ⁴	Major
Prime	Main power supply	+10%	Continuous duty under variable load conditions. Time at 100% load: intermittently less than 3hrs in every 12hrs.	100% or lower Overload ($\leq 110\%$) is acceptable for 25hrs per year (for emergency only)	60 – 80% of rated power	3000 – 4000hrs	Every 12000hrs	Every 24000hrs

NOTE: This condition constitutes a part of required conditions for warranty. Atmospheric condition as per ISO 15550:2002 (JIS B 8003:2005) (barometric pressure: 100kPa, ambient temperature: 298K, relative humidity: 30%).

Rating definitions for the SU engine series for diesel electric propulsion application are as per the table below:

Rating		Overload operation	Power management settings (if in combination with other engines)	Required condition for warranty			
				Load/operating hours		Overhaul interval after delivery (maximum)	
				Average load factor/year	Operating hrs / year	Top	Major
Diesel Electric Propulsion	Continuous operation	+10%	Change over: 80 – 100% Shot down: 30% or less	100% or lower Overload ($\leq 110\%$) is acceptable for 25hrs per year (for emergency only)	Unlimited	Every 12000hrs	Every 24000hrs
	Intermittent operation	+10%	Change over: 80 – 100% Shot down: 30% or less	60 - 80% Overload ($\leq 110\%$) is acceptable for 25hrs per year (for emergency only)	3000 – 4000hrs	Every 12000hrs	Every 24000hrs

NOTE: This condition constitutes a part of required conditions for warranty. Atmospheric condition as per ISO 15550:2002 (JIS B 8003:2005) (barometric pressure: 100kPa, ambient temperature: 298K, relative humidity: 30%).