

Engine Manufacturer: **Iveco Motors**  
 Engine Model: **N45 MSS**  
 Governing Standard: **CSA M424.2-90 (Non-Gassy Mines)**

Certificate Number	Engine Rating and Measured Fuel Rate at Sea Level	Sulphur in Fuel - %wt.	Ventilation Prescription*	
			CFM	m <sup>3</sup> /min
1179	99 HP @ 2300 RPM, 39.7 lb/hr	0.05	7,000	198.2
		0.10	7,700	218.0
		0.20	9,000	254.9
		0.25	9,700	274.7
		0.50	13,100 13,700+	371.0 387.9+

\*These CSA ventilation rates are suitable for low sulphur fuel if permitted by the appropriate regulatory authority.

+ These ventilation rates are recommended by CANMET-MMSL where some of the gases govern ventilation rates rather than the EQI criterion