

6.0 MAINTENANCE

DCL's recommended monitoring and maintenance schedule during operation is given below. Due to large variations in operating conditions, the schedule may change depending on the specifics of the application. In addition to this schedule, additional monitoring and reporting may be needed according to the requirements of your environment permit.

It is recommended that a maintenance log be maintained. Measurements and records of temperature difference (ΔT) and pressure difference (ΔP) should always be made under the same operating conditions (e.g. engine load, speed, ignition timing and exhaust oxygen concentration).

Monitoring and Maintenance Schedule

Item No.	Description	> 4000 hours operation per year	500 – 3999 hours operation per year	< 500 hours operation per year	Directions
1	Check back-pressure (ΔP)	<ul style="list-style-type: none"> At time of installation Every 3 months 	<ul style="list-style-type: none"> At time of installation Every 6 months 	<ul style="list-style-type: none"> At time of installation Every year 	If the (ΔP) is more than 55 mm H ₂ O (2" H ₂ O) higher than the initial (ΔP), inspect catalyst for excessive ash build-up. See Section 7 (Troubleshooting).
2	Check temperature change (ΔT)	<ul style="list-style-type: none"> At time of installation Every 3 months 	<ul style="list-style-type: none"> At time of installation Every 6 months 	<ul style="list-style-type: none"> At time of installation Every year 	If the (ΔT) is more than 25°F (14°C) higher than the initial (ΔT), check the engine for misfiring and /or inspect catalyst element for damage or fouling. See Section 7 (Troubleshooting).
3	Conduct emissions test	<ul style="list-style-type: none"> As required by operating permit 	<ul style="list-style-type: none"> As required by operating permit 	<ul style="list-style-type: none"> As required by operating permit 	As required by operating permit.
4	Visual inspection of catalyst element	<ul style="list-style-type: none"> Every 2 years 	<ul style="list-style-type: none"> Every 3 years 	<ul style="list-style-type: none"> Every 3 years 	See Section 7 (Troubleshooting).
5	Chemical cleaning of catalyst element	<ul style="list-style-type: none"> Every 2 years 	<ul style="list-style-type: none"> Every 3 years 	<ul style="list-style-type: none"> N/A 	Contact DCL or authorized dealer for assistance.

Note: Items 1, 2 and 3 can be conducted by utilizing the ports on the inlet and outlet side of the converter.