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**EPA certificates / VEHICLE POOL**



# EPA certificates / CNG

The purpose of this document is to inform the market about the current certified fuel systems. Information provided by IMPCO Technologies is accurate and revised periodically, although discrepancies with current product availability may exist.

Fuel Type	Model Year	Vehicle	Engine Family / Test Group	Evap / Refueling Family	Certification Standard	IMPCO SQ Part #	Status
CNG	2007	4.8L Chevrolet G Van, 4.8L GMC Savana 6.0L Chevrolet Silverado, Express and G Van 6.0L GMC Sierra and Savana	7GMXK06.0396	7GMXR0223841 7GMXR0176821	ULEV (CNG) LEV (Gas)	SQ-50846-02-0002	Available (expires 12/31/09)
	2008	4.8L Chevrolet G Van, 4.8L GMC Savana 6.0L Chevrolet Silverado, Express, G Van 6.0L GMC Sierra and Savana	8GMXK06.0396	8GMXR0176821 8GMXE0223842 8GMXR0223841	LEV	SQ-50846-02-0003	Available (expires 12/31/09)
	2008	3.5L, 3.9L Chevrolet Impala (Gas/E85)	8GMXV03.9052	8GMXR0133810	LEV	SQ-50846-02-0004	Available (expires 12/31/09)
	2009	3.5L, 3.9L Chevrolet Impala (Gas/E85)	9GMXV03.9052	9GMXR0133810	ULEV / Bin 4	SQ-50846-02-0010	Available (expires 12/31/09)
	2009	4.8L Chevrolet G Van, GMC Savana 6.0L Chevrolet Silverado, Express 6.0L GMC Sierra, Savana	9GMXD06.0396	9GMXR0176821 9GMXR0223841 9GMXR0223842	LEV	SQ-50846-02-0007	Available (expires 12/31/09)
	2009	5.3L Chevrolet Silverado, Tahoe, Suburban, Avalanche (Gas/E85) 5.3L GMC Sierra, Yukon (Gas/E85)	9GMXT05.3373	9GMXR0176820 9GMXR0223840	ULEV / Bin 5	SQ-50846-02-0006	Available (expires 12/31/09)
UPCOMING CERTIFICATES							
CNG	2009	5.4L Ford F150, Expedition, Navigator (Gas/E85)	9FMXT05.44ET	9FMXR0265NBR	TBD / Bin 5	SQ-50846-01-0004	Available 7/09 (est.)

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# The Alternative Now



# EPA certificates / LPG

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Fuel Type	Model Year	Vehicle	Engine Family / Test Group	Evap / Refueling Family	Certification Standard	IMPCO SQ Part #	Status
LPG	2007	4.8L Chevrolet G Van, 4.8L GMC Savana 6.0L Chevrolet Silverado, Express and G Van 6.0L GMC Sierra and Savana	7GMXK06.0396	7GMXR0223841	LEV	SQ-50846-02-0001	Available (expires 12/31/09)
	2007-1/2	4.8L Chevrolet G Van, 4.8L GMC Savana 6.0L Chevrolet Silverado, Express and G Van 6.0L GMC Sierra and Savana		7GMXR0176821	LEV		SQ-50846-02-0012
	2008	4.8L Chevrolet G Van, 4.8L GMC Savana 6.0L Chevrolet Silverado, Express, G Van 6.0L GMC Sierra and Savana	8GMXK06.0396	8GMXR0176821 8GMXE0223842 8GMXR0223841	LEV	SQ-50846-02-0005	Available (expires 12/31/09)
	2009	3.5L, 3.9L Chevrolet Impala (Gas/E85)	9GMXV03.9052	9GMXR0133810	Bin 4	SQ-50846-02-0011	Available (expires 12/31/09)
	2009	4.8L Chevrolet G Van, GMC Savana 6.0L Chevrolet Silverado, Express 6.0L GMC Sierra, Savana	9GMXD06.0396	9GMXR0176821 9GMXR0223841 9GMXR0223842	LEV	SQ-50846-02-0009	Available (expires 12/31/09)
	2009	5.3L Chevrolet Silverado, Tahoe, Suburban (Gas/E85) 5.3L GMC Sierra, Yukon (Gas/E85)	9GMXT05.3373	9GMXR0176820 9GMXR0223840	ULEV / Bin 5	SQ-50846-02-0008	Available (expires 12/31/09)
	<b>UPCOMING BI-FUEL CERTIFICATIONS</b>						
LPG	2009	5.4L Ford F150, Expedition, Navigator (Gas/E85)	9FMXT05.44ET	9FMXR0265NBR	TBD / Bin 5	SQ-50846-01-0003	Available 7/09 (est.)

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# EPA certificates / *renewable*

The purpose of this document is to inform the market about the current certified fuel systems. Information provided by IMPCO Technologies is accurate and revised periodically, although discrepancies with current product availability may exist.

Fuel Type	Model Year	Vehicle	Engine Family / Test Group	Evap / Refueling Family	Certification Standard	IMPCO SQ Part #	Status
<b>EXPIRED DUAL-FUEL AFTERMARKET CERTIFICATES</b>							
CNG	2007	6.0L Chevrolet Silverado, Express and G Van; 6.0L GMC Sierra and Savana	7GMXK06.0396	7GMXR0223841 7GMXR0176821	ULEV (CNG) LEV (Gas)	SQ-50846-02-0002	Exp Dec 08
	2008	6.0L Chevrolet Silverado and Express; 6.0L GMC Sierra and Savana	8GMXK06.0396	8GMXR0176821 8GMXE0223842 8GMXR0223841	LEV	SQ-50846-02-0003	Exp Dec 08
LPG	2003	GFI 5.4L F150	3G9XT05.46NP	3G9XE0155BAG	ULEV (LPG) LEV (Gas)	SQ-50846-01-0001	Exp Dec 08
	2004	8.1L GM	4GMXH08.1503	Any	HDE	-	Exp Dec 08
	2005	8.1L GM	5GMXH08.1503	Any	HDE	-	Exp Dec 08
	2005	5.4L Ford F150	5FMXT05.4R4P	5FMXR0240NBN	ULEV (LPG) LEV (Gas)	SQ-50846-01-0002	Exp Dec 08
	2007	6.0L Chevrolet Silverado, Express and G Van; 6.0L GMC Sierra and Savana	7GMXK06.0396	7GMXR0223841	LEV	SQ-50846-02-0001	Exp Dec 08

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# CHEVROLET IMPALA



Model Year		Vehicle	Engine Family / Test Group	Evap / Refueling Family
2008	CNG	3.5L, 3.9L Chevrolet Impala (Gas/E85)	8GMXV03.9052	8GMXR0133810
2009	CNG LPG	3.5L, 3.9L Impala (Gas/E85)	9GMXV03.9052	9GMXR0133810

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**The Alternative Now**



# GM 6.0L

Model Year	Fuel Type	Vehicle	Engine Family / Test Group	Evap / Refueling Family
2007	CNGL PG	6.0L Chevrolet Silverado, Express and G Van; 6.0L GMC Sierra and Savana	7GMXK06.0396	7GMXR0223841 7GMXR0176821
2008	CNG LPG	4.8L Chevrolet G Van, 4.8L GMC Savana 6.0L Chevrolet Silverado, Express, G Van 6.0L GMC Sierra and Savana	8GMXK06.0396	8GMXR0176821 8GMXE0223842 8GMXR0223841
2009	CNG LPG	4.8L Chevrolet G Van, GMC Savana 6.0L Chevrolet Silverado, Express 6.0L GMC Sierra, Savana	9GMXD06.0396	9GMXR0176821 9GMXR0223841 9GMXR0223842

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# GM 5.3L

Model Year	Fuel Type	Vehicle	Engine Family / Test Group	Evap / Refueling Family
2009	CNG	5.3L Chevrolet Silverado, Tahoe, Suburban (Gas/E85)	9GMXT05.3373	9GMXR0176820
	LPG	5.3L GMC Sierra, Yukon (Gas/E85)		9GMXR0223840

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## **B i \* f u e l   T e c h n o l o g y   A d v a n t a g e s**

- 1\_ Original operation and performance uncompromised
- 2\_ Reduction of exhaust emissions including CO2
- 4\_ Engine managed by the unaltered existing OEM strategies
- 5\_ OBDII strategy still active; enhanced with Impco specific diagnostics
- 6\_ Dramatically increased vehicle mile range (*both fuels combined*)
- 7\_ Hedge against an immature infrastructure for Alternative Fuels
- 8\_ Encourages domestic fuels, reducing dependency on foreign oil
- 9\_ Cost-effective overall solution
- 10\_ A solution available now!



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# **The Alternative Now**



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