

LIST OF ABBREVIATIONS

A/F	Air/fuel (ratio)
AATSE	Australian Academy of Technological Sciences and Engineering
ACVGN	Advisory Committee on Vehicle Emissions and Noise
ADR	Australian Design Rule
AGO	Australian Greenhouse Office
AIP	Australian Institute of Petroleum
ANTS	A New Tax System (Goods and Services Tax) Act 1999
APEC	Asia-Pacific Economic Co-operation
AQIRP	US Auto/Oil Air Quality Improvement Research Program
BAU	Business as usual
CCG	Catalytic cracked petrol
CCR	Continuous Catalytic Reformer
CDU	Crude Distillation Unit
CFH	Cat Feed Hydrotreater
CNG	Compressed natural gas
CO	Carbon monoxide
CO ₂	Carbon dioxide
DOC	Diesel oxidation catalyst
DOTRS	Commonwealth Department of Transport and Regional Services
EA	Environment Australia
EC	European Commission
ECE	Urban driving sequence
ECU	Electronic control unit
EEC	European Economic Community
EFI	Electronic fuel injection
EGO	Exhaust gas oxygen (sensor)
EHC	Electrically heated catalyst
EPEFE	European Program on Emissions Fuels and Engine Technologies
ERG	Exhaust Gas Recirculation
EU	European Union
EUDC	Extra urban driving sequence
FCAI	Federal Chamber of Automotive Industries
FORS	Federal Office of Road Safety
FTP	Federal Test Procedure (US)
GDI	Gasoline direct injection
GHG	Greenhouse gas
GRPE	Group of Reporters on Pollution and Environment
GVM	Gross vehicle mass
H ₂ SO ₄	Sulfuric acid
HC	Hydrocarbon
HCCG	Heavy cat cracked petrol
HEGO	Heated exhaust gas oxygen (sensor)
HF	Hydrofluoric Acid
LCCG	Light Cat cracked petrol
LCV	Light Commercial Vehicle

LNC	Lean NO _x catalyst
LOP	Luboil Plant
LP	Leaded petrol
LP	Linear programming
LPG	Liquified petroleum gas
MBE	measures for Better Environment – Provisions of a New Tax System (Goods and Services Tax) Act 1999
MMT	Methylcyclopentadienyl manganese tricarbonyl – an octane enhancer
MON	Octane Number
MPI	Multi port fuel injection
MTBE	Methyl tertiary butyl ether – an octane enhancer
MVEC	Motor Vehicle Environment Council
MVEG	Motor Vehicles Emission Group
NAFC	Net average fuel consumption
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NGGI	National Greenhouse Gas Inventory
NO _x	Oxides of nitrogen
NRTC	National Road and Transport Commission
OBD	On board diagnostics
OECD	Organisation for Economic Co-Operation and Development
PAH	Polycyclic aromatic hydrocarbons
PCA	Polycyclic aromatics (also PAH)
PM ₁₀	Particulate matter of less than 10µm diameter
PM _{2.5}	Particulate matter of less than 2.5µm diameter
PULP	Premium unleaded petrol (95 RON)
RON	Research Octane Number
RVP	Reid vapour pressure
SCR	Selective catalytic reduction
SFI	Sequential fuel injections
SOF	Organic portion of diesel particulate emissions
SPULP	Super premium unleaded petrol (98 RON)
UEGO	Universal exhaust gas oxygen (sensor)
ULP	Unleaded petrol (91RON)
ULSD	Ultra low sulphur diesel
UNECE	United Nations Economic Commission for Europe
VKT	Vehicle kilometres travelled
VOC	Volatile organic compound
VVT	Variable value timing