

Acronyms

Ω	ohm
°C	degree Celsius
°F	degree Fahrenheit
A	ampere
A/C	air conditioner
ABS	anti-lock braking system
AC	alternating current
ACTG	alternating current traction generator
ACTM	alternating current traction motor
API	American Petroleum Institute
ATF	automatic transmission fluid
BDC	bottom dead centre
BMS	battery monitoring system
CAC	charge air cooler
CAN	controller area network
CAT	category
CCA	cold cranking amperage
CCOT	cycling clutch orifice tube
CSA	Canadian Standards Association
DC	direct current
DDU	driver display unit
DEF	diesel exhaust fluid
DMM	digital multimeter
DOC	diesel oxidation catalyst
DPF	diesel particulate filter
ECM	electronic control module
ECU	electronic control unit

Acronyms (continued)

EGR	exhaust gas recirculation
EGT	exhaust gas temperature
ESS	energy storage system
EV	electric vehicle
ft.-lb.	foot-pound
ft.	foot
g/cm ³	grams per cubic centimetre
Ga	gauge
GND	ground
gpm	gallons per minute
HEUI	hydraulic electronic unit injector
HEV	hybrid electric vehicle
HLA	hydraulic launch assist
HV	high voltage
ID	identification
lb.	pound
LED	light-emitting diode
NC	normally closed
NO	normally opened
NO _x	nitrogen oxides (include nitrogen oxide and nitrogen dioxide)
NPT	National Pipe Thread
NTC	negative temperature coefficient
TXV	thermal expansion valve
OEM	original equipment manufacturer
PCS	propulsion control system
PPE	personal protective equipment

Acronyms (continued)

psi	pounds per square inch
PTO	power take-off
rpm	revolutions per minute
SAE	Society of Automotive Engineers
SCA	supplemental coolant additive
SCR	selective catalytic reduction
SDS	safety data sheet
SRS	supplemental restraint system
SW	switched power
TCM	transmission control module
TDC	top dead centre
TDG	transportation of dangerous goods
TPS	throttle position sensor
TXV	thermostatic expansion valve
V	volt
VAC	volt alternating current
VCU	vehicle control unit
VDC	volt direct current
VGT	variable geometry turbocharger
VIN	vehicle identification number
W	watt
WHMIS	Workplace Hazardous Materials Information System

Formulas

Constants

π	3.14
-------	------

Formulas

Descriptions	Full	Abbreviated
Area of circle	$\pi \times \text{radius}^2$	πr^2
Force	area \times pressure	$A \times P$
Volt	current \times resistance	$I \times R$
Watt	voltage \times current	$V \times I$