

## Commercial Vehicle / Heavy Duty Glossary of Terms and Acronyms

<i>Term/Acronym</i>	<i>Description</i>
API Category	American Petroleum Institute category
API Gravity	Density, Specific Gravity - used to measure a diesel fuel heat energy
Bio-Diesel	An organic based refined liquid, similar to No2 diesel, produced from soybeans, rapeseeds, sunflower seeds or other organic materials
CAC	Charge Air Cooler
CBM	Condition Based Management - components are replaced based on condition as close to failure as is possible.
Cetane	A measure of ignition characteristics. Higher numbers indicate better ignitability and increased combustion efficiency.
Cloud Point	The temperature at which the fuel exhibits the formation of wax crystals. Lower numbers are better.
Converter	Converts conventional or fully formulated coolants to Extended Life coolant.
CTA	Contamination Tolerant Additives
DCA	Dry Chemical Additive
DOC	Diesel Oxidation Catalyst
DPF	Diesel Particulate Filter
ECU	Electronic Control Unit
EG	Ethylene Glycol, most commonly used antifreeze/coolant base.
EGR	Exhaust Gas Recirculation
ELC	Extended Life Coolant.
EPA	Environmental Protection Agency
Extender	Additive for Extended Life Coolants, added to the cooling system at 300,000 - 400,000 miles.
FEAD	Front Engine Accessory Drive
Flash Point	A test procedure used to measure fuel vapor ignition properties, when exposed to an open flame.
FMCSR	Federal Motor Carrier Safety Regulations
FMVSS	Federal Motor Vehicle Safety Standards
FTM	Fixed Time Management - replaces components at specified times.
Fully Formulated	Conventional coolant which contains a precharge of supplemental cooling system additives
HCI	Hydrocarbon Injection
HCCI	Homogeneous Charge Compression Ignition
HECE	Hydrogen Enabled Combustion Engine
HVAC	Heating Ventilation and Air Conditioning
Molybdate	Anticorrosion additive used to protect iron and steel components.
NAC	NOx Adsorber Catalyst
Nitrate	Corrosion inhibitor used to protect aluminum components and soldered connections.
Nitrite	Protects against cavitation erosion and rust formation in wet sleeved diesel engines.
NOAT	Nitrited Organic Acid Technology
NOx	Oxides of Nitrogen
NVH	Noise, Vibration and Harshness
OAT	Organic Acid Technology
OBD2	On Board Diagnostics - version 2
OEM	Original Equipment Manufacturer
OTF	Operate to Failure - continues to use components until failure.
PG	Propylene Glycol, a less toxic alternative to Ethylene Glycol.
Ph	Measurement of alkalinity or acidity. Ph less than 7 is considered acidic while Ph greater than 7 is considered alkaline or basic.
Ph buffer	Coolant additive which helps maintain alkalinity within desired levels.
Phosphate	Ph buffer used in some antifreeze/coolant formulations.

PM	Preventive Maintenance
PM	Predictive Maintenance - using predictive tools ( i.e., oil analysis) to schedule maintenance and/or replacement of components.
PM	Particulate Matter
Pour Point	Lowest temperature at which a fuel will flow.
Prd-Diluted &Pre-Mixed	Packaged coolant product which has been pre-mixed 50/50 de-ionized water.
SCA	Supplimental Coolant Additive
SCR	Selective Catalyst Reduction
Silicate	Corrosion inhibitor for aluminum protection. Low concentrations are preferred for use in Heave Duty coolants.
TEM	Truck Equipment Manufacturer
ULSD	Ultra Low Sulfur Diesel
Urea	An organic, nitrogen based, water soluble compound which is widely used in agriculture.
Viscosity	Measure of a liquids resistance to flow in relation to time and temperature.
VMI	Vendor Managed Inventory