

Petrol
Petrol and diesel
Diesel
Cooling
Oil
✓ Problem solver
● Problem prevention

Problem	Cause	Solutions																						
		PETROL TREATMENT	PETROL INJECTOR CLEANER	PETROL DETOX PRO	OCTANE BOOSTER	STARTING FLUID SPRAY	INTAKE & COMBUSTION CHAMBER CLEANER	EGR, TURBO & INTAKE CLEANER	DRY FUEL	DIESEL TREATMENT	DIESEL INJECTOR CLEANER	DPF CLEANING KIT	DPF REGENERATION AID	DIESEL DETOX PRO	DIESEL ANTI BACTERIA	DIESEL ANTI FREEZE	RADIATOR SEALER & CONDITIONER	RADIATOR CLEANER	ENGINE FLUSH	OIL STOP SMOKE	MOTOR OIL TREATMENT + MOS2	CERAMIC ENGINE PROTECTOR	HYDRAULIC VALVE LIFTER TREATMENT	BORTEC FRICTION FIGHTER
Poor cold starting	Water contamination in the fuel tank					✓																		
	Carbon build-up on injectors/poor spray pattern	●	✓	✓		✓	✓	●		●	✓													
	Deposit build-up in combustion chamber	✓	✓	✓		✓	✓	●		✓	✓													
	Dirty fuel system and/or carburettor	●	✓	✓		✓	✓	●		●	✓													
	Diesel crystallization								✓															
Heavy fuel consumption	Carbon build-up on injectors/poor spray pattern	●	✓	✓		✓	✓	●		●	✓													
	Deposit build-up in combustion chamber	✓	✓	✓		✓	✓	●		✓	✓													
	Dirty fuel system and/or carburettor	●	✓	✓		✓	✓	●		●	✓													
	Contaminated air intake / restricted airflow				●		✓	✓						●										
	Contaminated / non-functioning EGR system			●		✓	✓							●										
Poor performance	Carbon build-up on injectors/poor spray pattern	●	✓	✓		✓	✓	●		●	✓													
	Fuel octane rating (RON) below requirement				✓																			
	Dirty fuel system and/or carburettor	●	✓	✓		✓	✓	●		●	✓													
	Contaminated air intake / restricted airflow				●		✓	✓						●										
	Contaminated / non-functioning EGR system				●		✓	✓						●										
Stalling / Hesitation / Flatspots	Carbon build-up on injectors/poor spray pattern	●	✓	✓		✓	✓	●		●	✓													
	Deposit build-up in combustion chamber	✓	✓	✓		✓	✓	●		✓	✓													
	Dirty fuel system and/or carburettor	●	✓	✓		✓	✓	●		●	✓													
	Contaminated air intake / restricted airflow				●		✓	✓						●										
	Contaminated / non-functioning EGR system				●		✓	✓						●										
Rotten egg smell	Incomplete fuel combustion	✓	✓	✓				●	●	✓	✓													
Pinkish & pre-ignition	Fuel octane rating (RON) below requirement				✓	✓																		
	Deposit build-up in combustion chamber	✓	✓	✓		✓	✓	●		✓	✓													
Wear of diesel fuel pump	Low sulphur diesel									✓	✓													
Diesel knock / Cabin noise	Carbon build-up									✓	✓													
Coolant leaks	Haircracks in cooling system															✓								
Inefficient cooling/heating	Contamination build-up in cooling system															✓								
	Insufficient heat transfer via cooling liquid															✓	✓							
High exhaust emissions	Incomplete fuel combustion, incorrect air/fuel ratio	●	✓	✓		✓	✓	●	✓				✓											
Blue smoke at start-up	Oil seeping past inlet valves, degradation of valve stem oil seals																		✓	✓		✓		
	Worn engine components																			✓	✓		✓	✓
Blue smoke when accelerating or changing gear	Oil seeping past piston rings & burning in combustion chamber	●	✓	✓		✓				●			✓						✓	✓	●		●	
White smoke	Water contamination in fuel tank													✓										
Black smoke (petrol)	Carbon build-up in injectors / poor spray pattern	●	✓	✓		✓	✓	●		●	✓													
	Deposit build-up in combustion chamber	✓	✓	✓		✓	✓	●		✓	✓													
Black smoke (diesel)	Diesel mixture too rich							✓		●	✓													
	High soot particle emissions							✓		●	✓													
Blue or black smoke	Oil burning in combustion chamber / by-passing piston rings				●			✓					✓						✓	✓	✓	✓	✓	✓
	Oil seeping past inlet valves, degradation of valve stem oil seals																		✓	✓	✓	✓	✓	✓
Excessive oil consumption	Oil burning in combustion chamber / by-passing piston rings				●			✓					✓						✓	✓	✓	✓	✓	✓
	Oil seeping past inlet valves, degradation of valve stem oil seals																		✓	✓	✓	✓	✓	✓
Engine oil leaks	Degraded seals in the oil system																		✓					
Low compression or oil pressure	Sludge and carbon deposit build-up on piston rings	●	●	✓				✓		●	●								✓					
	Engine wear																			✓	✓		✓	✓
Black sludgy oil on dipstick	Sludge and carbon deposit build-up in oil system	●	●	●				●		●	●								✓					
	New oil contaminates quickly				✓			●	●				✓						✓					
Tappet noise / Sticking hydraulic valve lifters	Lacquer build-up in tappets, valve lifters / lash adjusters				●			✓	✓				●						✓				✓	✓
Top end engine rattle	Engine wear																				✓		✓	✓
DPF warning light on	High soot loading in filter, regeneration required											✓	✓	✓										
Clogged DPF	High soot loading in filter, no regeneration possible											✓	●	●										
Clogged diesel fuel filter	Crystallized diesel or bacteria contaminated diesel													●	✓	✓								