


OIL AWARENESS FLYER

Technology	Characteristics	Effect of the Wrong Oil	Consequence
Turbo chargers	More Complex Sensitive moving parts Hostile Environment	Deposit formation stops moving parts moving efficiently	Exhaust emissions exceed legal limits
Diesel Particulate Filters (DPF)	Sensitive to oil derived ash	Blocked filters Constant regeneration Reduced performance Increase fuel consumption	 Limp mode Vehicle Recovery Repairs Downtime Inconvenience
Diesel Oxidation Catalysts (DOC) Selective Catalytic Reductions	Sensitive catalyst material	Poisoning of expensive catalyst material reducing catalyst effect, increasing emissions	
Exhaust Gas Recirculation (EGR)	Complex valve arrangement for efficient combustion	Valve clogs with soot and becomes inoperative	

The Solution

Use OEM Approved Oils - All FUCHS engine oils have full OEM approvals which:

- Guarantee conformity to a specification and provide full warranty compliance
- Maintain turbocharger cleanliness and therefore turbocharger performance
- Limits ash formation in DPF system to ensure full regeneration and maintain performance
- Provide the correct chemical limits to ensure full catalyst compatibility
- Help provide or improve the required fuel economy whilst also providing long-term engine durability

