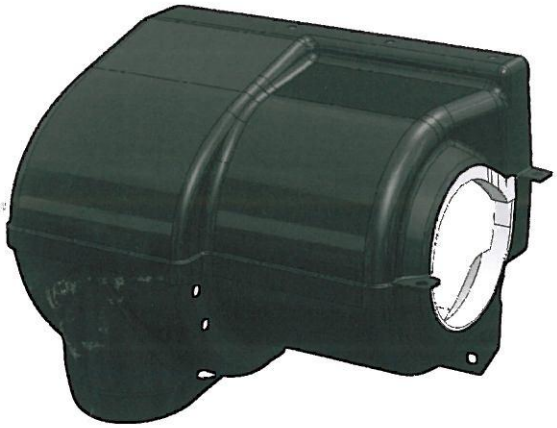
DARCHEM INSULATION SYSTEMS

www.darchem.com

Diesel Engines

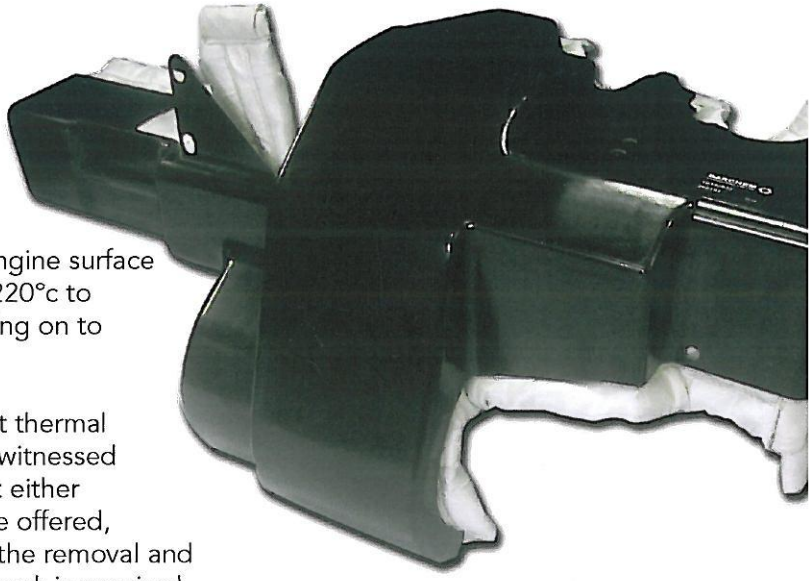
DIS supply a wide range of metallic, composite and soft blanket insulation solutions for diesel engines. We have experience of supplying solutions to agricultural and marine sectors to the highest standard in various insulation thicknesses and densities dependent upon the customer requirements and stringent legislation laws.



With an ever increasing focus on air pollution, Legislation is generally driving towards producing a cleaner environment. One of the major pollutant sources is seen to be emissions from power sources (particularly diesel engines) from both on-road (trucks, buses, cars) and off-road applications (construction, agricultural, forestry, and mining).

To help equipment manufacturers, DIS partners its design support with manufacturing capability, and as part of the collaborative engineering process meet both thermal requirements and fire mitigation where appropriate. Furthermore we can offer components that complement engine bay architecture in a range of metallic, composite and soft blanket insulation solutions for diesel engines. Composite covered insulation can include a branded option with the manufacturer's name embossed on the surface. Example insulation include solutions for:

- Manifolds
- Exhaust systems
- EGR and SCR systems
- Catalytic converters
- Diesel particulate filters (DPFs)
- Turbochargers



SOLAS

The SOLAS (Safety Of Life At Sea) requirement calls for engine surface temperatures in Ship Engine rooms to be a maximum of 220°c to mitigate the issue of fire from lubricants and fuel oils spilling on to hot surfaces and igniting upon contact.

DIS has designed, manufactured and fitted fully compliant thermal systems to a number of vessels, which have been tested, witnessed and certified by International Accreditation bodies. Whilst either detachable or permanently fitted (integral) systems can be offered, the former is generally a preferred option as this enables the removal and replacement of systems in instances where maintenance work is required on engine components.