



PLASTIC INJECTION MOULDING LUBRICANT SOLUTIONS



The Vital Role of Lubricants

In the high-pressure, high-temperature world of plastic injection moulding, machinery performance is everything. Lubrication isn't just a supporting act—it's the key to:

- Maximising uptime
- Enhancing product quality
- Reducing maintenance costs
- Extending equipment life

Contamination: The Hidden Threat

Contaminated hydraulic oil can lead to serious issues: mechanical failures, rust and corrosion, product quality impacts and costly downtime.



Noisy operation
(cavitation or aeration)



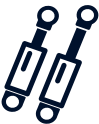
Erratic machine
movements



Increased oil
temperature



Alarm/fault codes from
pressure/temperature
sensors



Sluggish or delayed
hydraulic responses



Dirty or discoloured oil
(milky = water,
dark = oxidation)

DID YOU KNOW

That contaminated hydraulic oil is the leading cause of pump failures in injection moulding machines.

Lubricant Solutions

TYPE	RANGE	HIGHLIGHTS
Hydraulic Oil	Millmax	• Zinc-free • Biodegradable • Longlife • Synthetic • Fire-resistant • Food grade
Slideway Oil	Millway	• Anti-wear • Corrosion protection • Tacky adhesive
Gear Oil	Millgear	• Extreme pressure • Food safe • Synthetic • Extreme temperature
Greases	Millergrease Delta Millfood Millerguard	• NSF H1 food-safe • EP • Silicone • Non-melt • Graphite paste • Wire rope.

Fluid Management That Works as Hard as You Do

Our priority at Millers Oils is to keep costly failures and downtime to an absolute minimum for our customers by maintaining the life of the oil before any degradation occurs. Our Fluid Management Service takes a proactive, on-site approach to safeguard your high-value equipment.

- Ongoing Oil Analysis
- Oil Filtration
- Oil Changes
- Waste Disposal
- Water Contamination
- Initial Oil fills
- Machine drains

“I’ve been working for Millers Oils for over 10 years and the majority of clients I visit with hydraulic oil in their machines, see a huge improvement in efficiency and lifespan of the oil when they understand how to maintain it.”

Dave Mulliner - Millers Oils Fluid Management Division

HYDRAULIC SYSTEM

A range of hydraulic oils that meet the performance requirements of industry/manufacturer specifications, available in varying viscosities from ISO 2 – 100.

HLP

- Millmax

HLP ZF

- Millmax ZF

HVLP

- Millmax HV

Longlife

- Millmax Longlife

Biodegradable

- Millmax SE BIO

Fire Resistant

- Millmax HFD(u)

INDUSTRIAL CLEANER

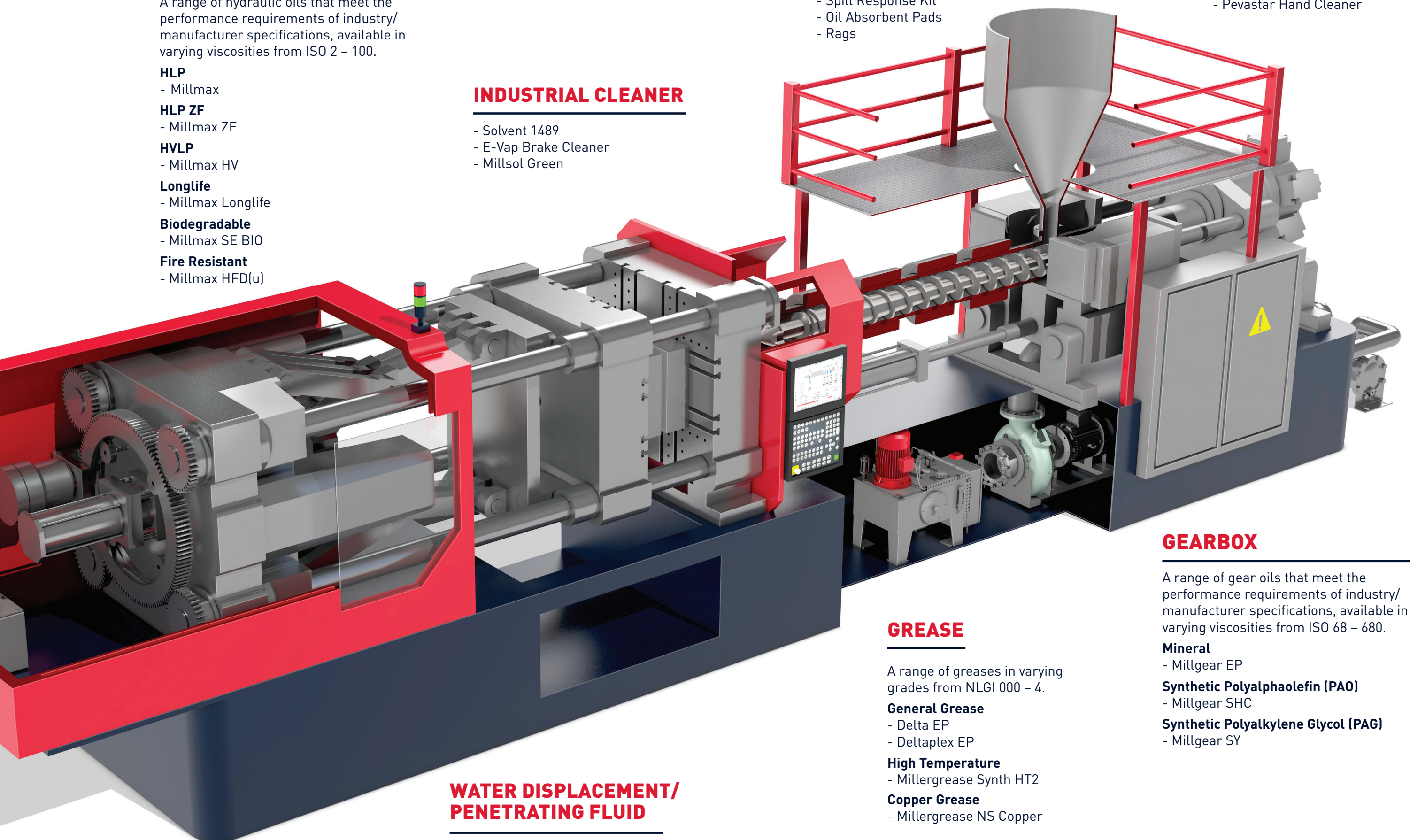
- Solvent 1489
- E-Vap Brake Cleaner
- Millsol Green

SPILL RESPONSE

- Spill Response Kit
- Oil Absorbent Pads
- Rags

HAND CLEANER

- Pevastar Hand Cleaner



WATER DISPLACEMENT/ PENETRATING FLUID

- Dewatering Fluid 1782

GREASE

A range of greases in varying grades from NLGI 000 – 4.

General Grease

- Delta EP
- Deltaplex EP

High Temperature

- Millergrease Synth HT2

Copper Grease

- Millergrease NS Copper

GEARBOX

A range of gear oils that meet the performance requirements of industry/manufacturer specifications, available in varying viscosities from ISO 68 – 680.

Mineral

- Millgear EP

Synthetic Polyalphaolefin (PAO)

- Millgear SHC

Synthetic Polyalkylene Glycol (PAG)

- Millgear SY



ADVANCED OILS, LUBRICANTS AND TREATMENTS **SINCE 1887**

Millers Oils has been a trusted name in industrial lubrication since 1887, delivering cutting-edge solutions that keep machinery running at peak performance. Over the decades, we've evolved our blends alongside the industries we serve.

It's not just about the products we blend — it's the expertise behind them. Millers Oils is more than a lubricant supplier — we're your strategic partner in performance and reliability. Our long-standing history provides deep knowledge, our production facilities ensure robust capability, and our dedicated team delivers unmatched expertise.

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MADE IN BRITAIN



MillersOilsLtd