



**TEXACO**

Lubricants  
for the plastics  
manufacturing industry



enduring  
performance

## Inject reliability into your manufacturing operation

The lubricants that transmit power through your pumps and servo valves do more than enable you to mould your products, they help protect your equipment which directly impacts on the success of your entire plastics manufacturing operation.

Texaco® provides the formula you need to help maximise productivity and minimise costs through our premium lubricants such as Clarity and Rando energy-saving hydraulic oils, supported by our in-depth sector expertise, to help you get the most out of your uptime.

### Rely on Texaco to help you reach the potential to:

- > Improve energy efficiency
- > Optimise productivity
- > Reduce downtime
- > Extend service protection
- > Improve supplier performance.



## Reliability and durability are our priority

Plastics manufacturing is a high-demand industry that dictates long production runs at unrelenting speeds. To meet order deadlines under these conditions you have to have availability, precision and 24/7 performance from your equipment. When your plastics manufacturing equipment is working reliably, your operation can achieve high productivity.

### We understand the tighter tolerances and extreme pressures common in plastics manufacturing.

Texaco lubricants are formulated to help provide improved oxidation stability and protection from the build-up of solids and varnish that can cause valves to stick, pumps to wear out and products to be improperly moulded and ultimately rejected. Our products can lead to a cleaner system, which helps you run more efficiently, extend equipment life and fulfil your orders quickly and consistently.



## Boost operational efficiency

Our experts have serviced the plastics manufacturing industry for decades, finding ways to streamline and make improvements throughout the plant that can benefit your operation. Running your equipment with advanced lubricants is just the beginning.

From maintenance practices and lubricant inventories to used oil analysis, we can work with you to help improve uptime, performance and productivity.

**LubeWatch oil analysis** enables you to track the performance of equipment that is the lifeblood of your business. By analysing oil samples on a regular basis, you can help optimise equipment life and oil replacement intervals, identify lubricant-related needs and understand the changing environment within a piece of equipment.

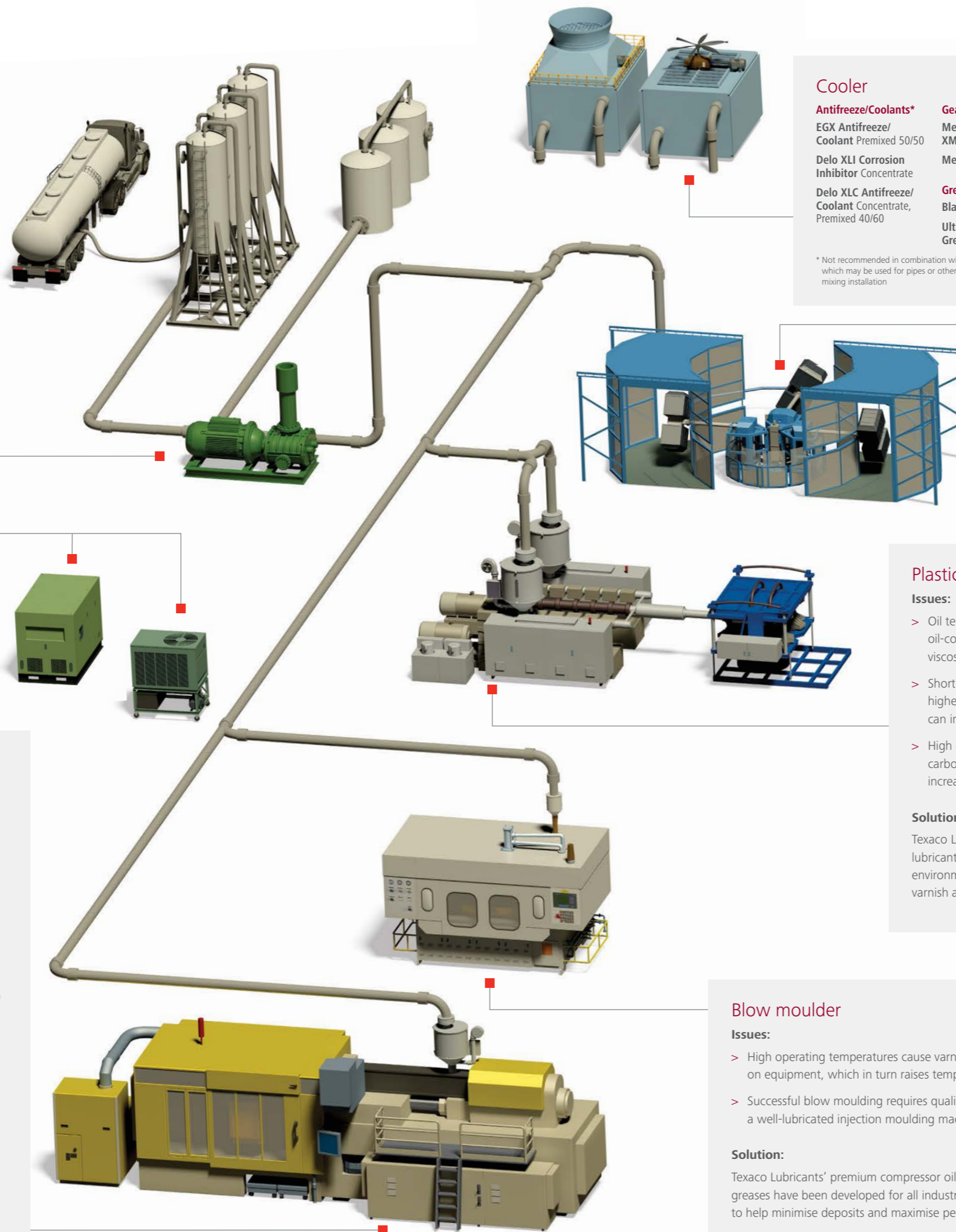
This knowledge helps in the precise scheduling of maintenance work that can reduce downtime or even eliminate the risk of catastrophic failure.

Analysis kits are available to make sampling convenient and simple, and sample information can be submitted online or via the Texaco LubeWatch app.

For more information, visit:  
[texacolubricants.com/LubeWatch](http://texacolubricants.com/LubeWatch)

**LubeWatch®**  
Oil Analysis Program

## Advanced lubricants, designed for reliability throughout your plant



### Lobe blower

- Compressor oils**  
Cetus HiPerSYN Oil 46
- Gear lubricants**  
Meropa EliteSyn XM  
Meropa XL
- Greases**  
Black Pearl SRI 2  
Ulti-Plex Synthetic Grease EP  
Multifak EP 2  
Multifak 142

### Air compressor & chiller

- Compressor oils**  
Cetus HiPerSYN Oil 46  
Compressor Oil EP VDL
- Gear lubricants**  
Cetus HiPerSYN Oil 220

### Injection moulder

- Issues:**
- > Hydraulic fluids can break down fast under the stress of 24/7 operations and temperatures that regularly exceed 50°C.
  - > Severe operating conditions may necessitate more frequent hydraulic fluid makeup and replacement.
  - > Oil oxidation creates varnish that can plug filters and cause valves to stick, resulting in downtime and equipment damage.
- Solution:**
- Texaco® Lubricants' premium hydraulic oils, greases and gear lubricants are formulated for harsh, hot, relentless industrial environments, to help extend drain intervals and keep machines running.

- Compressor oils**  
Cetus HiPerSYN Oil 46
- Gear lubricants**  
Meropa EliteSyn XM  
Meropa XL
- Greases**  
Ulti-Plex Synthetic Grease EP  
Multifak EP 2  
Multifak 142
- Heat transfer oils**  
Texatherm
- Hydraulic oils**  
Clarity Synthetic Hydraulic Oil AW  
Clarity Hydraulic Oil AW  
Rando HD LVZ  
Rando HDZ  
Rando HD

### Cooler

- Antifreeze/Coolants\***  
EGX Antifreeze/  
Coolant Premixed 50/50  
Delo XLI Corrosion Inhibitor Concentrate  
Delo XLC Antifreeze/  
Coolant Concentrate, Premixed 40/60
- Gear lubricants**  
Meropa EliteSyn XM  
Meropa XL
- Greases**  
Black Pearl SRI 2  
Ulti-Plex Synthetic Grease EP

\* Not recommended in combination with galvanised steel, which may be used for pipes or other parts of the storage/mixing installation

### Roto moulder

- Issues:**
- > To keep roto-moulding operations running requires a combination of products including gear oils and way lubricant.
  - > Lubricant temperatures in gear drives must be carefully maintained to ensure around-the-clock uptime.

**Solution:**

Texaco® lubricants and LubeWatch® oil analysis help keep equipment clean and improve performance.

- Gear lubricants**  
Meropa EliteSyn XM
- Way lubricants**  
Way Lubricant X

### Plastic extruder

- Issues:**
- > Oil temperatures in gearboxes regularly exceed oil-cooler settings, resulting in shorter oil life, viscosity breakdown and equipment damage.
  - > Short drain intervals cause more downtime and higher maintenance costs, whilst longer intervals can increase risk of damage.
  - > High operating temperatures create varnish and carbon deposits, which stress equipment and increase temperatures even more.

**Solution:**

Texaco Lubricants' premium greases and gear lubricants can handle higher temperature environments over longer intervals, helping to prevent varnish and deposits, and prolong performance.

- Gear lubricants**  
Meropa EliteSyn XM  
Meropa XL
- Greases**  
Black Pearl SRI 2  
Ulti-Plex Synthetic Grease EP  
Multifak EP 2  
Multifak 142
- Heat transfer oils**  
Texatherm

### Blow moulder

- Issues:**
- > High operating temperatures cause varnish and deposits to form on equipment, which in turn raises temperatures even more.
  - > Successful blow moulding requires quality parisons and a well-lubricated injection moulding machine.

**Solution:**

Texaco Lubricants' premium compressor oils, gear lubricants and greases have been developed for all industrial moulding applications, to help minimise deposits and maximise performance.

- Compressor oils**  
Cetus HiPerSYN Oil 46  
Compressor Oil EP VDL
- Gear lubricants**  
Meropa EliteSyn XM  
Meropa XL
- Greases**  
Black Pearl SRI 2  
Ulti-Plex Synthetic Grease EP  
Multifak EP 2  
Multifak 142

## PLASTICS MANUFACTURING PRODUCTS

## HYDRAULIC OILS

When topping up a previously filled system with Texaco® hydraulic oils, both our zinc-based Rando products or our zinc-free Clarity products can be used.

## Zinc-free\*

**Clarity Synthetic Hydraulic Oil AW 32, 46, 68****Zinc-free premium performance synthetic hydraulic oils****Product highlights:**

- > Promotes ultra high performance wear and oxidation protection
- > Rust and corrosion resistance
- > Hydrolytic stability, rapid water separation, foam inhibition and filterability
- > Very low acute aquatic toxicity
- > Wide temperature range performance and protection

**Clarity Hydraulic Oil AW 32, 46, 68****Ashless high performance long life hydraulic oils****Product highlights:**

- > Designed to meet or exceed OEM requirements
- > Offers longer life than conventional hydraulic oils
- > Helps optimise wear protection
- > Designed for low toxicity and biodegradability\*\*
- > Formulated for yellow metal protection

## Zinc-based

**Rando HD LVZ 32, 46, 68****Zinc-based premium performance high productivity synthetic hydraulic oils****Product highlights:**

- > Helps ensure protection in all-weather start-ups
- > Designed to reduce maintenance and downtime
- > Contributes to longer drain periods and uptime
- > Formulated for wet operating conditions
- > Offers high temperature, high pressure protection

**Rando HDZ 32, 46, 68****Multi-viscosity anti-wear hydraulic fluids****Product highlights:**

- > Helps minimise viscosity change in temperature window
- > Formulated to reduce abrasive wear
- > Offers steel and copper corrosion protection
- > Promotes deposit resistance, improving filterability

**Rando HD 32, 46, 68****Zinc-based monograde hydraulic oils**

## GEAR LUBRICANTS

**Meropa EliteSyn XM 150, 220, 320, 460, 680****Longlife micropitting resistant synthetic industrial gear oils, developed to reduce gearbox temperatures****Product highlights:**

- > Developed to reduce gearbox temperatures
- > Promotes lower energy consumption
- > Formulated for high oxidation resistance
- > Designed for use across wide ambient temperatures
- > Operating temperature range from -30°C to +140°C
- > Offers robust wear and micropitting resistance

**Meropa XL 68, 100, 150, 220, 320, 460, 680****Micropitting resistant industrial gear oils for extreme loads and high shock loading****Product highlights:**

- > Designed for extended drain intervals
- > Contributes to rust and corrosion protection
- > Promotes gear and bearing life
- > Advanced keep-clean performance
- > Formulated to help provide micropitting protection

**Cetus HiPerSYN Oil 220****Synthetic compressor, gear and bearing lubricant****Product highlights:**

- > Offers thermal and oxidation stability
- > Helps minimise sludge and deposits
- > Promotes extended service
- > Low volatility formulation
- > Contributes to compressor performance

**Meropa 68, 100, 150, 220, 320, 460, 680, 1000, 1500, 1700****Extreme pressure industrial mineral gear oils**

## GREASES

**Black Pearl SRI 2****High temperature ball and roller bearing grease****Product highlights:**

- > Aids robust rust and corrosion protection in components including bearings
- > Designed to help protect bearings across a wide temperature range
- > Good adhesion helps maintain protection at high RPM
- > Extended bearing service life through good oxidation stability
- > Helps provide robust rust protection even in corrosive sea water tests

**Ulti-Plex Synthetic Grease EP****Synthetic lithium complex grease for continuous high temperature applications****Product highlights:**

- > Suitable for a wide variety of applications
- > Offers high performance stability in high temperature operations
- > Aids low temperature pumpability
- > Promotes robust load carrying capacity
- > Helps prevent corrosion

## GREASES (continued)

**Multifak EP 2****Extreme pressure multi-purpose lithium grease; operating temperature -30°C up to +120°C****Product highlights:**

- > Formulated for robust mechanical stability
- > Helps protect bearings in extreme pressure applications
- > Designed for good corrosion protection
- > Suitable for use across a wide operating range

**Multifak 142****Multi-purpose anti-corrosion lithium grease**

## COMPRESSOR OILS

**Cetus HiPerSYN Oil 46****Synthetic compressor, gear and bearing lubricant****Product highlights:**

- > Offers thermal and oxidation stability
- > Helps reduce sludge and deposits
- > Promotes extended service intervals
- > Offers low volatility performance
- > Designed for long service life

**Compressor Oil EP VDL 32, 46, 68, 100, 150****Extended life compressor fluids with high quality paraffinic base oils****GST Advantage EP 32, 46, 68****Industrial gas- and steam-turbine oils; formulated with VARTECH Technology to help inhibit varnish formulation**

## WAY LUBRICANTS

**Way Lubricant X 68, 220****Machine tool slideway lubricants, designed to reduce friction, drag and chatter****Product highlights:**

- > Helps reduce stick-slip, chatter and improves machining accuracy
- > Assists scoring and wear resistance under heavy loads
- > Promotes effective machine protection

As your lubrication partner, Texaco® Lubricants strives to keep your equipment running reliably, helping to minimise operating costs and maximise performance.

To find out more, contact your Texaco Representative, your Authorised Texaco Lubricants Distributor or visit [texacolubricants.com/PlasticsManufacturing](https://texacolubricants.com/PlasticsManufacturing)

## HEAT TRANSFER OILS

**Texatherm****Longlife industrial heat transfer oil for open and closed heat transfer systems****Product highlights:**

- > Energy efficient heat transfer performance
- > Keep-clean system protection
- > Rapid energy-efficient cold start-up and operation
- > Evaporation, vapour lock and pump cavitation protection

## ANTIFREEZE/COOLANTS

**EGX Antifreeze/Coolant Premixed 50/50****OAT-based coolant, designed to provide year-round frost, corrosion and boil protection in cars, vans and heavy-duty applications****Product highlights:**

- > Advanced heat transfer performance
- > Longlife OAT-backed performance
- > Good high temperature oxidation and pH stability
- > Neutralisation package helps prevent gels or deposits

**Delo XLI Corrosion Inhibitor Concentrate****Extended life corrosion inhibitor****Product highlights:**

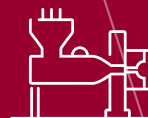
- > Extended low maintenance service life
- > Advanced non-depleting inhibitor technology
- > Formulated to protect vulnerable components
- > Good hard water stability
- > Designed to provide high temperature aluminium corrosion resistance

**Delo XLC Antifreeze/Coolant Concentrate, Premixed 40/60****Extended life antifreeze/coolants****Product highlights:**

- > Formulated for long, low maintenance service life
- > Offers up to 32,000 hours in stationary engines
- > Promotes reliability and corrosion protection
- > Contributes to hard water stability
- > Aids high temperature corrosion protection

\* For best performance when filling with Texaco Clarity (Synthetic) Hydraulic oils, the system should be drained and ideally flushed.

\*\* As determined by OECD 301D (Closed Bottle Biodegradability Test), Texaco Clarity Hydraulic Oil AW was shown to be inherently biodegradable. This test is normally run for 28 days. After completing this test period, Texaco Clarity Hydraulic Oil AW was 38% degraded. Degradation of 20-59% after 28 days in OECD 301 D is evidence that a product is inherently biodegradable.



**Advanced technology Texaco® lubricants & coolants.**  
Whatever the lubricant requirement – private and commercial vehicles  
through to industrial plant and machinery operating in some of the  
world's most challenging environments – customers trust Texaco.



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