AVIA BANTLEON
Ideas. Systems. Solutions.

HEAVY MACHINERY



Ahead through innovation:

HIGH-PERFORMANCE HYDRAULIC FLUIDS.

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"SUSTAINABLE EFFICIENCY STARTS WITH THE SYSTEM"







PERFORMANCE

RELIABILITY

RESPONSIBILITY

OPERATIONAL EFFICIENCY



MOBILE. POWERFUL. READY FOR THE FUTURE.

Mobile machinery has to cope with demanding conditions on a daily basis. Full electrification often comes up against technical and economic limitations. This makes the efficient use of existing systems all the more important. High-performance lubricants and hydraulic fluids can help to limit energy losses, extend the service life of components, increase productivity and optimise operating costs by reducing friction and wear. This creates opportunities for more resource-efficient operation – whilst still meeting high standards of performance and reliability.

HOLISTIC PERFORMANCE FOR MOBILE WORK MACHINES.

Bantleon Heavy Machinery focuses in particular on synthetic PAO hydraulic oils and special lubricants that are perfectly tailored to the complex requirements of mobile machinery.

With high temperature and ageing stability, excellent material compatibility and optimum viscosity behaviour, they deliver top performance – in heat, cold, dirt and continuous stress.

Added value that makes the difference:

- High oxidation stability = fewer oil changes
- Minimal evaporation losses
- Compatibility with seals and hoses
- Protection against corrosion, contamination and water ingress
- Potential for optimising the carbon footprint over the entire life cycle (LCA in accordance with ISO 14040)









1 Hydraulic oils

2 Greases / pastes

3 Coolant

4 Engine / gearbox oil





PERFORMANCE
WHEN IT MATTERS.

The ability to deliver maximum machine performance exactly when it is needed is crucial for the successful operation of a mobile hydraulic system. A high viscosity index guarantees that the lubricant maintains consistent temperature and viscosity characteristics, even in the event of significant climatic changes and prolonged machine downtime.

Our high-performance hydraulic oils are therefore optimally matched to the performance requirements of the machine in order to guarantee smooth operation for the user.

Your added value:

- **Immediate operational readiness**
  Improved cold start characteristics shorten warm-up phases – ideal for changing temperatures.
- **Year-round use**
  without additional oil changes – even when mixed with mineral oils, e.g. due to changing attachments.
- **Less downtime**
  Less downtime – higher productivity.
- **Tested quality:**
  High-performance hydraulic fluids with DEKRA PSR validation.

Dekra-PSR

RELIABILITY
THAT MOVES YOU.

Our hydraulic oils are designed for tough practical use – powerful, gentle on materials and temperature-stable. The targeted combination of high-quality base oils and additives ensures reliable performance, even under difficult conditions.

This is supported by our own laboratory: with sound analysis and practical diagnostics, we help to extend oil service life and minimise the risk of failure – for greater operational safety.

Your added value:

- **Precision and control**
  through rapid response in the interaction between man and machine in demanding applications.
- **Functionally reliable,**
  even with water content – no additional filters required.
- **Good material compatibility**
  protects seals and hoses and minimises the risk of leaks.
- **Ready for use in all weather conditions –**
  stable viscosity properties ensure consistent performance.
- **Can be mixed with mineral oil**
  without loss of functional reliability.
- **Long service life**
  of components thanks to good air separation and foaming behaviour.



TAKING RESPONSIBILITY. SHAPING THE FUTURE.

We take a holistic approach to responsibility: for people, machines, the environment and the surrounding area. Together with our partners, we strive to find solutions that conserve resources, extend service life and prove themselves in everyday use.

Your added value:

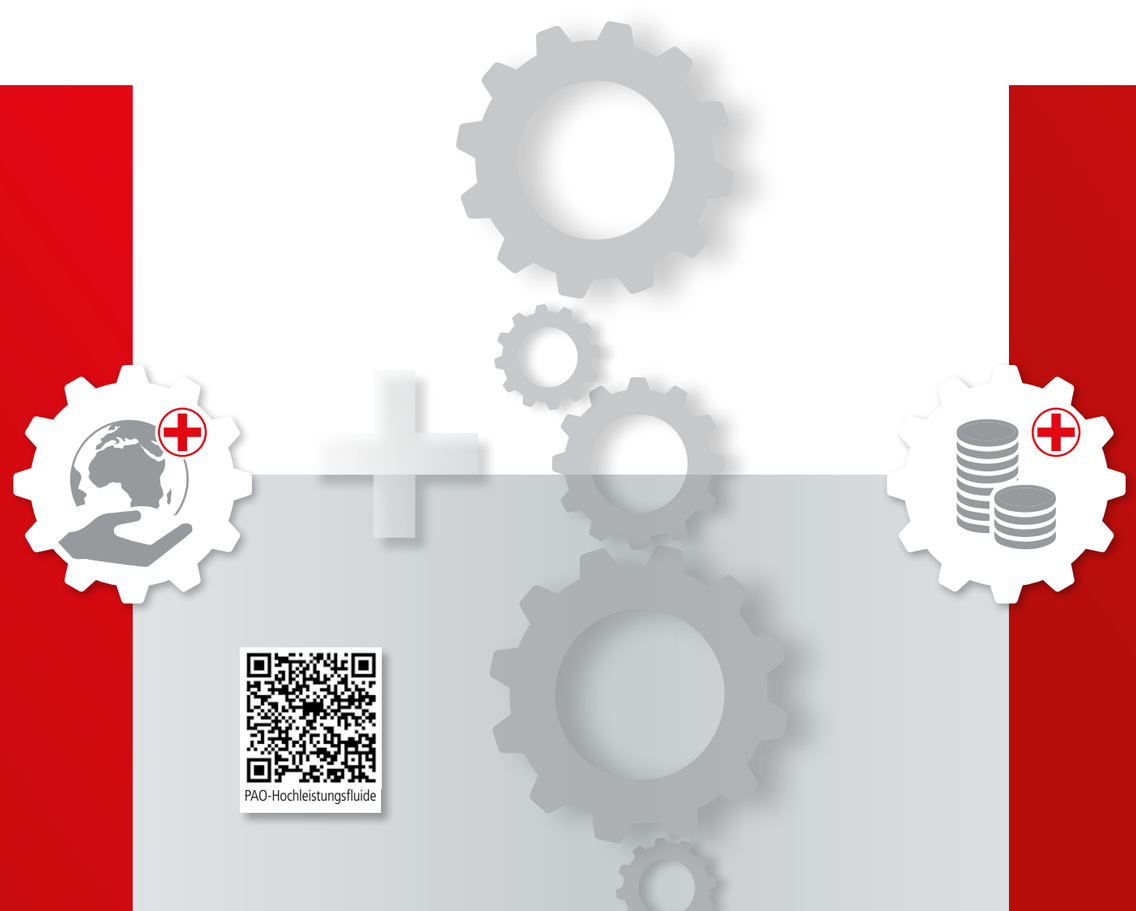
- **Safe to use –**
  positive experiences from practical use in terms of skin tolerance.
- **Defined environmental and application characteristics:**
  Depending on the product, defined criteria of recognised environmental labelling schemes/standards are met.
- **Potential for energy and fuel savings:**
  thanks to its smooth-running properties, reduced friction and temperature-stable viscosity.
- **Quick detection and elimination**
  of leaks – especially in areas close to water.
- **Less disposal effort:**
  Flush volumes can be reused as mineral oil.
- **Hydraulic fluids for hygiene-sensitive areas**
  e. g., for the food industry.



ECONOMIC EFFICIENCY ACROSS THE BOARD.

Those who invest today expect efficiency tomorrow. Our hydraulic oils actively contribute to the cost-effectiveness of your machines by reducing friction losses, extending oil change intervals and lowering maintenance costs.

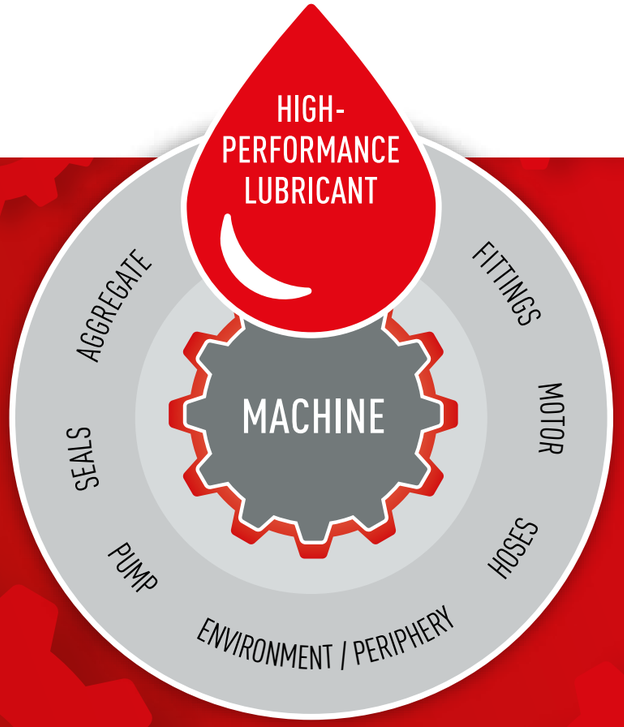
From individual devices to entire fleets: less effort, higher availability, lower operating costs.



PAO-Hochleistungsfluide

Your added value:

- **Lower consumption,**
  higher performance – thanks to optimum smooth-running properties.
- **Longer service intervals**
  reduce downtime and lower costs.
- **No oil change is required when used in environmentally sensitive areas**
  – saving time and conserving resources.
- **Reduced repair costs**
  due to lower cavitation risk thanks to optimal air separation and foam behaviour.
- **Increased productivity**
  through higher machine availability with reduced downtime.



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Valid since October 2026

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