AVIA BANTLEON

Ideas. Systems. Solutions.

HEAVY MACHINERY



High-performance lubricants for mobile machinery:

ENGINE, HYDRAULIC AND TRANSMISSION OILS, COOLANTS AND GREASES.

www.bantleon.de/en

AVIA

BANTLEON

Ideas. Systems. Solutions.

"SUSTAINABLE EFFICIENCY STARTS WITH THE SYSTEM"

PERFORMANCE

RELIABILITY

RESPONSIBILITY

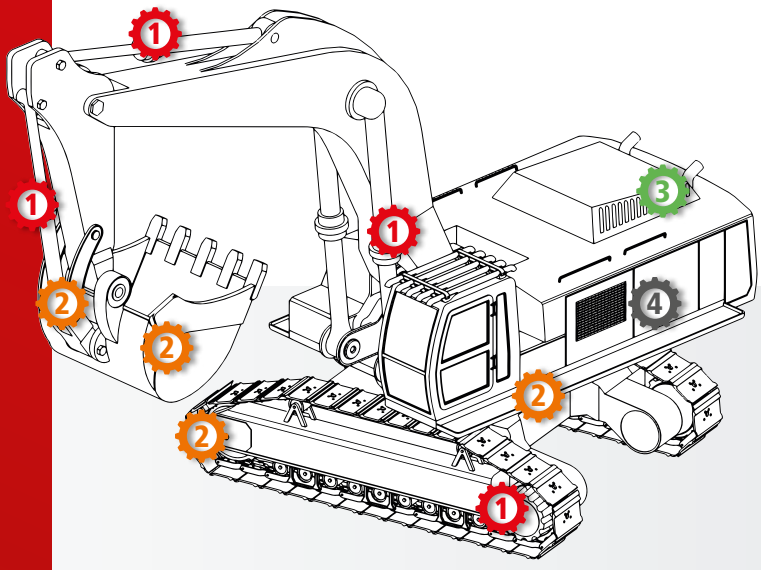
OPERATIONAL EFFICIENCY





MOBILE. POWERFUL. READY FOR THE FUTURE.

BANTLEON's expertise covers the entire spectrum of lubrication technology support for commercial vehicles and machinery.



1 Hydraulic oils

2 Greases / pastes

3 Coolant

4 Engine / gearbox oil

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HEAVY MACHINERY
ENGINE OILS



ENGINE OILS.
FOR A WIDE RANGE OF APPLICATIONS IN INDUSTRY AND COMMERCE.

Our range covers engine oils for vehicles with and without exhaust aftertreatment, diesel and petrol engines, commercial vehicles and off-road machinery, efficient 2-stroke and 4-stroke engines, and stationary engines such as gas engines.

BANTLEON engine oils meet almost all relevant OEM and manufacturer approvals and combine economy with reliability – for predictable use and trouble-free operation of your fleet.

- **Cost efficiency in operation**
  optimised oil change intervals according to the manufacturer's specifications
- **Energy saving potential**
  Formulations optimised for friction can reduce energy consumption
- **High ageing stability**
  Extended oil service life reduces the need for fresh oil and the volume of waste oil produced
- **Versatile application**
  simplifies oil management in mixed fleets

Engine oils	Performance level	Extremely wide release range	TBN* (Total Base Number)	Low temperature use	High SAPS HS Low SAPS LS
AVIA HEAVYLINE LSP ULTRA 5W-30	Premium	x	< 12	x	LS
AVIA TURBOSYNTH LS PLUS 10W-40	Premium	x	< 12		LS
AVIA HEAVYLINE LSP TERA 5W-30	Plus	x	< 12	x	LS
AVIA HEAVYLINE MEGA 10W-40	Plus		> 12		HS
AVIA HEAVYLINE LSP ULTRA 10W-40	Plus		< 12		LS
AVIA HEAVYLINE LSP TERA-FE 5W-30	Standard		< 12	x	LS
AVIA MULTI LSP 15W-40	Standard		< 12		LS

** The TBN describes the ability of an engine oil to neutralize acidic combustion products. From a value of >12, "poor fuels" such as ship and harbor diesel, etc. or diesel with high sulfur contents can also be used. Diesel fuels according to EN 590 are low in sulfur.*

HEAVY MACHINERY
HYDRAULIC OILS



Dekra-PSR

HYDRAULIC OILS.
STRONG IN USE, SAFE IN THE FUTURE.

In industry and commerce, performance, reliability and cost-effectiveness are key – combined with responsibility towards people, the environment and the surrounding area.

Our high-performance hydraulic oils based on PAO (polyalphaolefins) are modern low-friction oils and high-tech synthetic solutions. Ash-free and suitable for environmentally sensitive applications such as construction, agriculture and forestry, as well as for handling, recycling, runway and rail vehicles, and for lock, sewage treatment and weir facilities.

- **DEKRA PSR-certified hydraulic fluids**
  Listed products and test criteria available via QR code
- **High operational readiness**
  stable viscosity at all ambient temperatures
- **Broad product portfolio**
  the right solution for all areas of application
- **Potential for energy and fuel savings**
  thanks to its low-friction properties and temperature-stable viscosity

Hydraulic oils	Performance level	Technology	DIN 51502/ DIN 51524-3	Wide temperature use (high VI index)	Extended change intervals	Environmentally sensitive areas: Labels/standards	Low Energy potential
AVIA SYNTOFLUID PE-B 50	Premium	PAO/HEPR	HVLP(D)	x	x*	DEKRA PSR / ISO 9439 (OECD 301B)****	x
AVIA SYNTOFLUID PE-B 30	Premium	PAO/HEPR	HVLP(D)	x	x*	DEKRA PSR / ISO 9439 (OECD 301B)****	x
AVIA SYNTOFLUID NSW 46	Premium	PAO/HEPR	HVLP	x	x*	DEKRA PSR / Swedish Standard SS 155434, US EPA 2013 VGP EAL	x
AVIA SYNTOFLUID EAL PLUS	Premium	PAO/HEPR	HVLP	x		EU-Ecolabel / US EPA 2013 VGP EAL	
AVIA SYNTOFLUID BRO	Plus	HESS	-	x	x**	ISO 15380 / OECD 301B ****	
AVIA SYNTOFLUID A PLUS 46	Plus	HESS	HVLP***	x	x**	EU-Ecolabel, ISO 15380, Swedish Standard SS 155434	
AVIA SYNTOFLUID K	Plus	HESS	-	x		EU-Ecolabel; Blauer Engel; SS Swedish Standard SS155434;	
AVIA FLUID DYNA	Plus	Mineral oil	HVLP	x			x
AVIA FLUID HVR	Plus	Mineral oil	HVLP	x			
AVIA FLUID RSL PLUS	Plus	Mineral oil	HLP				
AVIA SYNTOFLUID F	Standard	HESS	-	x		EU-Ecolabel; Blauer Engel; Swedish Standard SS 155434	
AVIA FLUID HVD	Standard	Mineral oil	HVLP(D)	x			
AVIA FLUID HVI	Standard	Mineral oil	HVLP	x			
AVIA FLUID HLPD	Standard	Mineral oil	HLP(D)				
AVIA FLUID RSL	Standard	Mineral oil	HLP				

** Factor 2-4 with accompanying analysis ** Factor 2 with accompanying analysis *** Tost test in accordance with DIN EN ISO 4263-3 ****>60% / 28 days*



HEAVY MACHINERY
GEAR OILS

GEAR OILS.
FOR STATIONARY AND MOBILE SYSTEMS.

Whether you need a drive, small gearbox, or large gearbox, we offer the right solution for a wide range of requirements.

Our recommendations are based on the manufacturer's specifications and take into account the gearbox design, temperature range, environmental requirements and the machine manufacturer's specifications.

- **Tailored to requirements and OEM-compliant** selection based on design, temperature range and operating environment
- **Wide operating temperature range** constant viscosity and reliable start-up behaviour even in cold conditions
- **Suitable for year-round use** less maintenance and downtime

Description	Performance-level	Recommended use	LS-Additive (Limited Slip)	Wide temperature use (high VI-Index)	Extended change intervals
AVIA POWERTRAIN PREMIUM GX-HDX 75W-80	Premium	Manual gearbox		x	x
AVIA POWERTRAIN GX 80W	Standard	Manual gearbox			
AVIA POWERTRAIN PREMIUM GAX 75W-90	Premium	Axle/ Manual gearbox		x	x
AVIA POWERTRAIN GAX 80W-90	Plus	Axle/ Manual gearbox			
AVIA POWERTRAIN AX-LS 85W-90	Plus	Axle gearbox	x		
AVIA POWERTRAIN AX 85W-140	Standard	Axle gearbox		x	
AVIA POWERTRAIN AX 85W-90	Standard	Axle gearbox			
AVIA GEAR VSG	Premium	Industrial gearbox		x	x
AVIA SYNTOGEAR PE	Premium	Industrial gearbox		x	x
AVIA GEAR RSX-F	Plus	Industrial gearbox			
AVIA POWERTRAIN UTTO-F	Premium	UTTO	x	x	x
AVIA GEAR AWB	Plus	UTTO	x		
AVIA POWERTRAIN UTTO-DLZ	Standard	UTTO	x	x	
AVIA GEAR ALCAT	Standard	TDTO	x		
TRACTAVIA FE	Premium	STUO		x	
TRACTAVIA EXTRA	Plus	STUO		x	
AVILUB TRACTAVIA SPEZIAL	Standard	STUO		x	
AVIA POWERTRAIN PREMIUM AT-D VI	Premium	ATF		x	x
AVIA POWERTRAIN AT-D III	Plus	ATF		x	
AVIA POWERTAIN AT-D II	Standard	ATF		x	

HEAVY MACHINERY
COOLANT



COOLANT.
RELIABLE IN ALL AREAS OF APPLICATION.

Cooling and heating systems must transport thermal energy efficiently while protecting against high temperatures. Special additives tailored to the cooling systems of car manufacturers offer protection against frost, cavitation, corrosion, premature boiling and deposits.

In engines, rapid heat transfer is essential to prevent overheating. Heating and cooling systems, on the other hand, ensure that heat reaches its destination with minimal losses. BANTLEON coolants are durable and have proven themselves in almost all areas of application: e.g. in recycling, snow grooming and rail vehicles, as well as in lock, wastewater treatment and weir systems.

- **Manufacturer-approved additive technology**
  optimal protection against frost, corrosion and deposits
- **High system reliability**
  stable operation in engines, heating and cooling systems
- **Durability**
  long-lasting effectiveness, reduces maintenance and follow-up costs

Radiator protection fluids	Technology	Ready-to-use mixture	Extended change intervals
AVIA Coolant APN-S	Silicate free OAT		x
AVIA Antifreeze NG	Contains silicate Si-OAT		x
AVILUB Antifreeze NG -37°C	Contains silicate Si-OAT	x	x
AVIA Coolant APN-S Mix	Silicate free OAT	x	x



HEAVY MACHINERY
GREASES

GREASES.
READY FOR USE UNDER THE TOUGHEST CONDITIONS.

High loads and pressures, extreme environmental conditions and wide temperature ranges with long relubrication intervals require high-performance greases. Our broad portfolio enables the targeted selection for every application – from long-term lubrication to lubrication for the lifetime of the component.

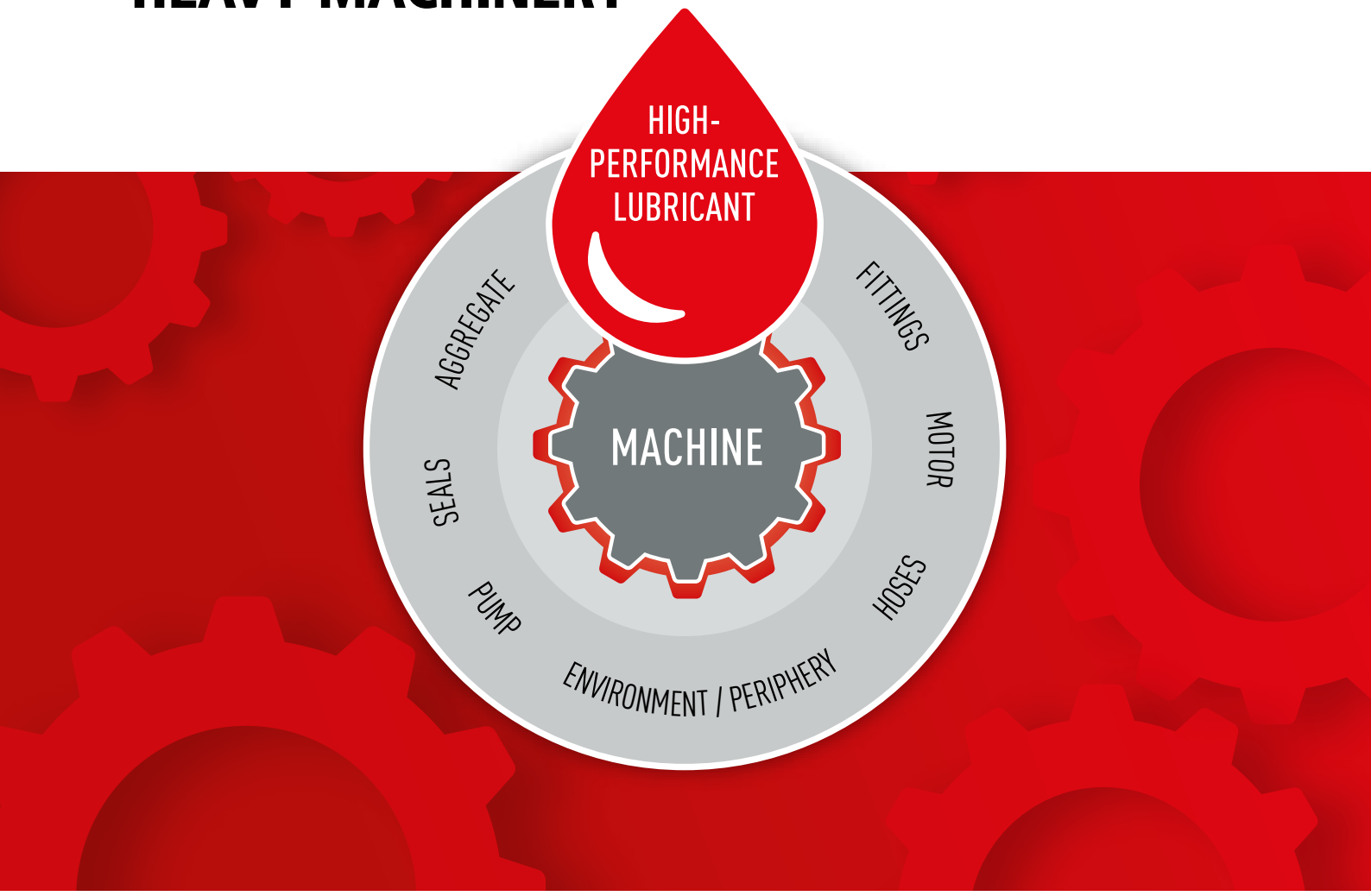
BANTLEON lubricating greases ensure reliable operation, especially in extreme applications such as alpine regions, the cement industry, agriculture and forestry, or in construction, handling and recycling machinery.

- **Precisely tailored product selection**
  wide portfolio for specific application requirements
- **Reliable long-term lubrication**
  may also be suitable for lifetime lubrication
- **Maximum load capacity**
  proven in extreme temperatures and harsh environments

Greases	Performance level	Multipurpose character	Extreme operating conditions	Biodegradable	High water resistance	Special applications
AVIA ALUPLEX RHS FLUID	Premium		x			
AVIA PROGREASE LX 2 HT	Premium	x	x			
AVILUB SPEZIALFETT LDW	Plus	x	x		x	
AVIA PROGREASE CA 2 EP	Plus	x			x	
AVIA SYNTOGREASE 2	Plus	x		x*		
AVIA PROGREASE L 2 EP	Standard	x				
AVILUB LDS SPRUEHFETT	Standard	x			x	
Pastes						
AVIA Meisselpaste	Standard					x

**OECD 301B >60% / 28 days*

HEAVY MACHINERY



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