



HABOT INDUSTRIAL LUBRICANTS

Product Overview

B-BBEE 2
EMPOWERING SUPPLIER

ISO 9001	Certified
ISO 14001	Certified
ISO 45001	Certified

Established in 1974 as a single bearing shop in Durban, South Africa; BMG’s aggressive growth strategy has included acquisitions, supplemented by a steady organic growth discipline. BMG attracts best-of-breed talent resulting in technical expertise that differentiates BMG in the industry. Staff are truly part of the BMG family and its success.

BMG boasts an accredited in-house technical and commercial training academy which fosters a culture of staff development and career advancement; it’s all about sustainability.

The net result, is a company that reliably supplies and supports 70 000 customers in 9 countries with the widest range of industrial engineered products and expert services in Africa via 98 branches.

BMG is positioned to deliver bespoke 360 degree solutions to its customers, and subsequently return on investment to its investors and shareholders. BMG plays a pivotal role in supporting the productivity and production targets of all Industrial, Manufacturing, Mining and Agricultural sectors of the economies in the countries it serves. With an enviable reputation as Africa’s largest distributor, manufacturer and service provider of the highest quality engineering consumables and components; including:

- Bearings & Seals
- Power Transmission Components
- Drives, Motors and Controllers
- Hydraulics, Pneumatics and Filtration
- Heavy and Light Duty Materials Handling
- Valves and Lubrication
- Fasteners, Gaskets and Tools

BMG is a level 2 BEE contributor with ISO 9001 Quality Assurance certification. Health and safety of its employees and customers is a paramount focus and the company adheres to ISO 45001. BMG is also committed to environmental care and sustainability and strictly follows the ISO 14001 charter.

As a key contributor to the Invicta Holdings stable, BMG has played a major part in Invicta’s unique achievement of being rated in South Africa’s Top 100 Companies for 21 consecutive years.



GENERAL
TABLE OF CONTENTS
INDEX

About HABOT	1-2
HABOT Industrial Gear Oil	3-4
Agriculture	5-6
Mining / Off Highway	7-8
Food Grade	9-10
HABOT Industrial Grease	11-13



About Habot Oil (Pty) Ltd

Established in 1983, Habot Oil was the first blend plant of its type in South Africa. The production facility in Krugersdorp being the first production facility dedicated to blending a full range of fully synthetic and synthetic lubricants for the South African and global market under the HABOTEC brand
Today the blend plant has been relocated to larger site in Industria West, Johannesburg, with a “state of the art” blending plant, stainless steel bulk storage tanks for raw materials, a large warehouse for finished lubricants and a modern testing laboratory with a greater focus on customer service and product development.

In the 1990’s Habot became the exclusive distributor for Nyco of France aviation lubricants. Nyco is Europe’s leading manufacturer of aviation lubricants for the military and defence applications.
In January 2015, Habot was awarded the exclusive distribution rights for the “nose to tail” range of aviation lubricants and greases from Exxon Mobil, the world’s largest oil company. The rights to market and sell these highly specialised lubricants are extended to cover sub-Sahara Africa.

In 2016, a self-contained Food Grade Blending Plant and Warehouse was introduced to produce high quality Food Grade lubricants, conforming to international standards. The HABOTEC FG range of food grade products are fully registered with International Registration bodies NSF and 2Probit as H1 Lubricants and is Halal Certified.

In June 2017, Habot was awarded the exclusive distribution rights to market and sell the full range of Exxon Mobil’s marine oils for South Africa and Mozambique. These distributorships make Habot a truly internationally company.

Habot Oil is also the official distributor of Brugarolas industrial and food grade greases and lubricants in Southern Africa. Habot Oil (Pty) Ltd is accredited with an ISO 9001/2008 Quality Management System and is a BBEEE Contributing company, along with being “Proudly South African”.

Our Mission

- Habot has a longstanding commitment to maintain the highest ethical standards.
- Habot fosters a culture that embraces honesty, integrity, and responsibility in everything we do.
- Habot is committed to supply the highest quality lubricants.
- Habot is fully focused on meeting customer needs and protecting the environment.

Our Value Proposition

- Exceptional Quality and un-compromising performance
- Improved equipment reliability and reduced operating costs
- Highest levels of Service and Technical support
- Value for money
- Availability of products



High Performance (HP)

Based on highly refined, severely hydrotreated Group II base oils and developed with the intended purpose of meeting and exceeding most standard requirements.

Superior Performance (SP)

Based on highly refined, severely hydrotreated Group II and hydro-cracked synthesised Group III base oils. Designed and introduced to extend the service life and, in most instances, is utilised as a solutions provider.

Ultra Performance (UP)

Based on fully synthetic base oils, Group IV and V base oils are designed to meet and exceed most OEM requirements. It also yields exceptional application benefits, ranging from reduced consumption, to extended

oil drain intervals, potentially delivering savings on energy costs.

Synthetic Environmental Acceptable Lubricants (SEAL)

Based on synthetic biodegradable and renewable base oils, this range of products is specially designed for bio-sensitive applications, with the added capability of delivering reduced consumption, extended oil drain intervals and the potential to save on energy costs.

Performance Benefits

Performance is not just measured by Laboratory and Field testing, it is also measured by factors such as its impact on the environment, sustainability and carbon footprint. These lubricants are capable of delivering improved machine efficiency, extend equipment life, and reduce environmental consequences and greenhouse gas production.

Engineered to Perform

Selecting the right lubricant is crucial when it comes to improving the reliability and the service life of parts and components. The Habot Range of Industrial Lubricants caters for a vast range of Industrial and Marine applications.

Hydraulic Oils	Application	Base Oil Technology	ISO VG Grades	Classification
H-4000 HP Series	Anti-wear Hydraulic Oils	Group II Base Oil	ISO VG 32 to 150	High Performance
H-4000 SP Series	Ashless Hydraulic Oils	Group II/III Base Oil	ISO VG 32 to 100	Superior Performance
H-4100 SP Series	High VI Anti-wear Hydraulic Oils	Group II/III Base Oil	ISO VG 32 to 68	Superior Performance
H-4000 UP Series	Synthetic Hydraulic Oils	Group IV Base Oil	ISO VG 32 to 150	Ultra Performance
H-SEAL HVI Series	Environmentally Acceptable Oils	Group III Renewable Oil	ISO VG 32 to 68	Biodegradable
Industrial Gear Oil	Application	Base Oil Technology	ISO VG Grades	Classification
H-3000 HP Series	EP Gear Oil	Group II Base Oil	ISO VG 32 to 150	High Performance
H-3000 SP Series	EP Gear Oil	Group II/III Base Oil	ISO VG 32 to 100	Superior Performance
H-3000 UP Series	Synthetic EP Gear Oil	Group IV/V Base Oil	ISO VG 32 to 68	Ultra Performance
H-3100 UPMP	Micro-pitting Performance	Group IV/V Base Oil	ISO VG 32 to 150	Ultra Performance
H-SEAL IGO Series	Environmentally Acceptable Oils	Group III Renewable Oil	ISO VG 68 to 120	Biodegradable
Air Compressor Oil	Application	Base Oil Technology	ISO VG Grades	Classification
H-1000 HP Series	2000 Hours	Group II Base Oil	ISO VG 46 to 68	High Performance
H-1000 SP Series	4000 Hours	Group II/III Base Oil	ISO VG 32 to 100	Superior Performance
H-1000 UP Series	8000 Hours	Group IV/V Base Oil	ISO VG 32 to 100	Ultra Performance
H-SEAL AC Series	12000 Hours	Group IV/V Base Oil	ISO VG 32 to 68	Biodegradable
Air Compressor Oil	Application	Base Oil Technology	ISO VG Grades	Classification
H-4000 HP Xtra	Mineral Rust & Oxidation	Group II Base Oil	ISO VG 150 to 680	High Performance
H-4000 UP Xtra	Synthetic Rust & Oxidation	Group IV/V Base Oil	ISO VG 150 to 680	Ultra Performance
H-SEAL Circa	Environmentally Acceptable Oils	Group III Renewable Oil	ISO VG 150 to 680	Biodegradable
Air Compressor Oil	Application	Base Oil Technology	ISO VG Grades	Classification
H-2000 HP Series	Rust & Oxidation & Turbine Oil	Group II Base Oil	ISO VG 32 to 68	High Performance

Air Compressor Oil	Application	Base Oil Technology	ISO VG Grades	Classification
H-Slide-way Oils	EP Performance	Group II Base Oil	ISO VG 68 to 220	High Performance



Industrial Gear Oils

Making it easier for you to select the most suitable gear oil for your application.

Lubricants play a critical role in removing contaminants such as dirt, water, wear particles and other foreign matter that can damage gears and bearings and impact efficient, smooth running of the gears. Industrial gear oils must therefore be durable enough to withstand in-service conditions and to retain that performance over time. Industrial gear oils are developed to keep gears operating properly, protecting your equipment investment by extending component life, reducing downtime, maximising productivity and lowering maintenance costs.

Practical Selection Guide

Selecting the most suitable lubricant is crucial in maintaining productivity. The Habot range of industrial gear oils are formulated to allow equipment operators to select the most suitable gear lubricant that will best deliver value to their operations through enhanced corrosion protection, wear protection, longer oil life and improved system efficiency and reliability.

Application Environment	Enclosed industrial spur and bevel gear applications from standard to demanding high-load and protection against micro-pitting		Enclosed industrial spur and bevel gears where extreme operating conditions and protection against micro-pitting		Enclosed industrial spur and bevel gears where environment protection is needed or potential leaks occur	Industrial worm-drive applications from standard to demanding high-load and extended-duty applications
Product Description	H-3000 HP	H-3000 HP MP	H-3000 UP	H-3000 UP MP*	H-SEAL VGP	B. SINCART W**
Base Oil Technology	Mineral	Mineral	PAO	PAO	Bio-based	PAG**
Load Protection	●	●	●	●	●	●
Micro-pitting Protection		●		●	●	●
Corrosion Protection	●	●	●	●	●	●
Wear Protection		●	●	●	●	●
Extreme Operating Conditions			●	●	●	●
Energy Savings			●	●	●	●
Readily Biodegradable					●	
Wind Turbines				●		●
Worm Drives						●

* MP - Micro-pitting Protection
** B.SINCART W series is not compatible or miscible with any Mineral or PAO-based synthetic Industrial gear oils.

Ensuring the smooth running of Industrial gears and gear systems, starts with selecting the most suitable fluid. Industrial gears and gear systems have become more sophisticated in recent years, as speed, load, pressure and operating temperatures have increased tremendously. Habot Oil has developed a range of industrial gear oils to cater for these changes.

HABOT H-3000 HP series was developed to provide adequate film strength and load carrying capabilities which is critical for Industrial Gear lubricants. It is developed with an effective sulphur-phosphorus EP additive system that has proven itself in some of the harshest operating environments and suitable for most enclosed gears and gear systems.

HABOT H-3000 HP Series	Viscosity @ 40°C	iscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	Density
H-3068 HP	68 cSt	9,3 cSt	>100	-30 °C	>210 °C	0,867
H-30100 HP	102 cSt	12,1 cSt	>100	-30 °C	>210 °C	0.872
H-30150 HP	154 cSt	15,6 cSt	>100	-27 °C	>220 °C	0,879
H-30220 HP	222 cSt	19,6 cSt	>95	-24 °C	>220 °C	0,888
H-30320 HP	316 cSt	24, 5 cSt	>95	-18 °C	>220 °C	0,894
H-30460 HP	460 cSt	31,5 cSt	>95	-15 °C	>230 °C	0,902
H-30680 HP	680 cSt	41,0 cSt	>95	-12 °C	>230 °C	0,905

HABOT H-3000 UP series is a range of full synthetic industrial gear oils formulated with metallocene poly-alphaolefin (mPAO) base oils and together with its unique additive system is capable of high film strengths and excellent load carrying capacity to protect gear teeth and other gear components from wear, surface distress and premature failure. The unique formulation delivers a lower traction which enables energy savings.

HABOT H-3000 UP Series	Viscosity @ 40°C	iscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	Density
H-30150 UP	135 cSt	19,0 cSt	>155	-42 °C	>220 °C	0,842
H-30220 UP	225 cSt	29,5 cSt	>160	-42 °C	>220 °C	0,846
H-30320 UP	327 cSt	40,2 cSt	>160	-36 °C	>220 °C	0,847
H-30460 UP	465 cSt	53,4 cSt	>160	-33 °C	>230 °C	0,848

HABOT H-3100 UP MP series is a premium full synthetic quality “clean gear” lubricant with a unique formulation specifically designed for the most arduous of operating conditions. They also provide frictional reducing characteristics that will allow lower energy consumption provide excellent protection against conventional wear modes such as scuffing but also an improved level of protection against fatigue related failure such as micropitting.

HABOT H-3100 UP MP Series	Viscosity @ 40°C	iscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	Density
H-31150 UP MP	155 cSt	20,2 cSt	>150	-42 °C	>220 °C	0,853
H-31220 UP MP	224 cSt	26,7 cSt	>150	-42 °C	>220 °C	0,857
H-31320 UP MP	319 cSt	35,4 cSt	>150	-36 °C	>220 °C	0,858
H-31460 UP MP	462 cSt	48,1 cSt	>150	-33 °C	>230 °C	0,859
H-31680 UP MP	663 cSt	64,3 cSt	>150	-30 °C	>240 °C	0,861

BESLUX SINCART W series is a long life synthetic PAG-based gear oil intended for the lubrication of worm gears, gear brakes, roll and plain bearings circulating systems, etc. It has very low coefficients of friction, which is able to keep water contamination even up to 1%. The product is not compatible with mineral oils neither with any other synthetic oil other than poly-glycol (PAG) based products.

B. SINCART W Series	Viscosity @ 40°C	iscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	Appearance
BESLUX SINCART 150 W	156 cSt	26 cSt	>220	-33 °C	>240 °C	Colourless
BESLUX SINCART 220 W	220 cSt	39 cSt	>225	-36 °C	>250 °C	Colourless
BESLUX SINCART 320 W	320 cSt	55 cSt	>235	-36 °C	>260 °C	Red

Agricultural Lubricants

South Africa’s Agricultural sector is unique and diverse and consists of both corporate and private farming systems. Well-developed commercial farming is the backbone of the country’s agricultural economy and coupled with the impressive growth experienced recently in this sector, it will continue to place tremendous demands on the overall industry as well as the farming community.

Farmers are challenged to meet the demands of increased production, extend the use of their equipment and to manage and maintain their operating costs. It is now crucial for farmers to reduce their total cost of ownership. One way they can do this is by selecting the most suitable lubricant for their equipment which is directly associated with reducing costs. The range of lubricants and greases that they utilise should be durable enough to withstand in-service conditions and retain that performance over time.

BMG’s lubricants were developed to allow equipment operators to select the most suitable lubricant that will deliver the best value for their operations through enhanced corrosion protection, wear protection, longer oil life and improved system efficiency and reliability.



Practical Selection Guide

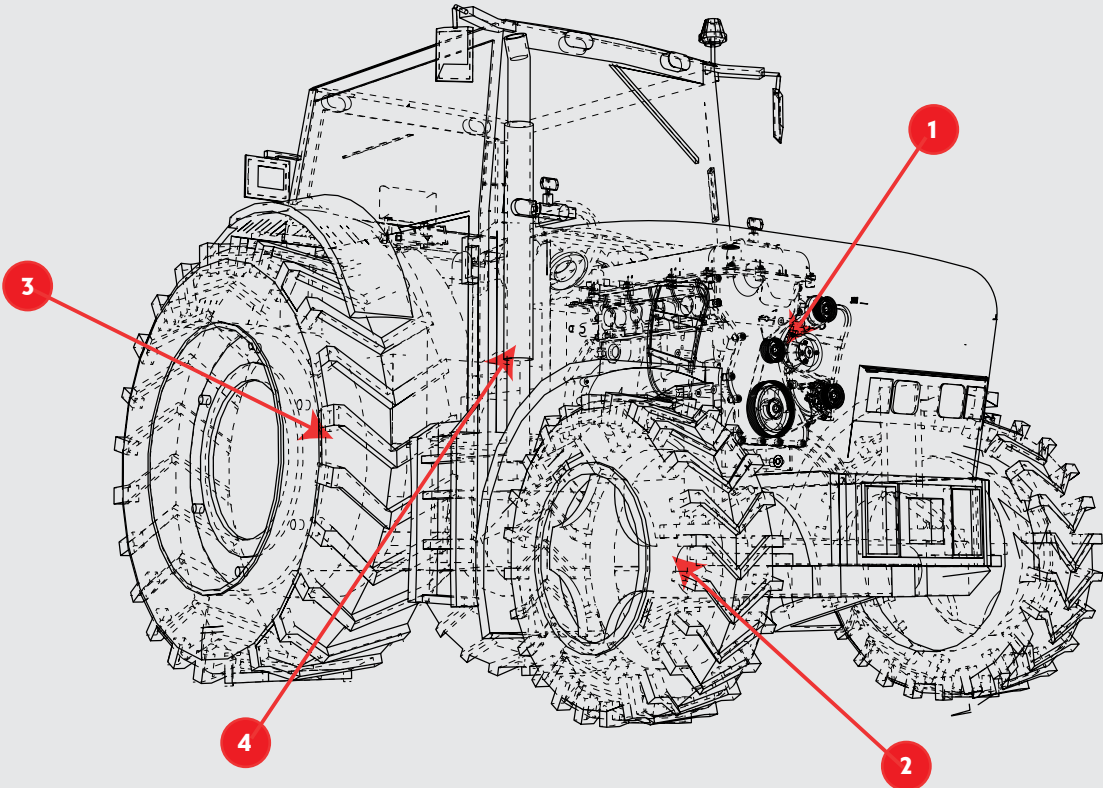
The HABOT range of Lubricants caters for several applications. It is our response to the demands of a demanding industry with sophisticated equipment that requires compliance with environmental regulators.

Application Environment	HDDEO Heavy Duty Diesel Engine Oil	STOU Super Traction Oil Universal	H-AGRITRANS Tractor Transmission Fluid	Hydraulic Oils Standard & High VI	Cooling System Readymix Anti-freeze
Product Description	H-15W40 HP	H-STOU 15W40 HP	H-AGRITRANS	H-4000 HP	H-ELC OAT Antifreeze GR
Base Oil Technology	Group II - Mineral	Group II - Mineral	Group II - Mineral	Group II - Mineral	N/A
Load Protection	●	●	●	●	●
Corrosion Protection	●	●	●	●	
Wear Protection	●	●	●	●	●
Rust Protection	●	●	●	●	
Low Volatility	●	●	●	●	●
Oxidation Stability				●	
Extended Drain				●	
High Viscosity Index			●		

Engineered to Perform

It all starts with selecting the most suitable lubricant for the protection of your equipment, to ensure the smooth running of all equipment.

1	Engine	H-15W40 HP
2	Front Axel	H-AGRITRANS
3	Final Drive/ Axle/ Incl Wet Brakes	H-AGRITRANS
4	Hydraulic	H-4068 HP



Grease Recommendation:

Apart from the lubricating oil, greasing plays a pivotal role in the protection and longevity of your farming equipment.

Depending on the nature of the operation, where tractors and related equipment could operate in dry, humid and wet conditions, we recommend the use of Beslux Sulplex M-2 Plus. The benefit of using this grease is that the thickener is a Calcium Sulphonate, which yields great performance in a wide temperature range and has excellent water-washout properties.

Greasing Points:

- Axle Pivot
- Tie Rod Ends
- Clutch Pedal Pivot
- Right Hand Brake Pedal Pivot
- Steering Spindles
- Steering Ball Joints
- Brake Shaft Pivot
- Front Wheel Hubs

Lubricants that are engineered to perform

New developments in off-road equipment are governed by different factors and have allowed for great advancements in the fields of productivity, durability, regulatory compliance and economy of operation, to name a few. Ownership of hardware and operational costs are simplified and reduced by the application of next-generation lubricants and greases, designed specifically to increase productivity and operator comfort, reduce emissions and downtime, and to better adapt to the changing needs of globalised industry.

HABOT H-TO-4 SERIES

Off-Highway Transmission Oils:

HABOT's H-TO-4 series is designed for use in off-road applications. This multi-functional fluid is useable throughout the drivetrain and hydraulic components in a wide range of machinery, as well as heavy-duty applications in the mining, construction, quarrying and agricultural industry.

HABOT H-TO-4 Series	Viscosity @ 40°C	Viscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	TBN
H-TO-4 SAE 10W	45.3 cSt	7.1 cSt	115	-33°C	>210°C	0.867
H-TO-4 SAE 30	92.0 cSt	11.3 cSt	108	-30°C	>230°C	0.875
H-TO-4 SAE 50	206 cSt	18.2 cSt	101	-21°C	>250°C	0.892
H-TO-4 SAE 60	287 cSt	23.4 cSt	100	-21°C	>250°C	0.897

This product meets and exceeds most OEM requirements:

API GL-4/Allison C-4 (off-road)/Allison TES 439 (SAE 30 only)/Caterpillar T0-4 & TO-4M/Komatsu KES 07.868.1/ ZF TE ML 03C (SAE 10W & SAE 30)/ZF TE ML 07D (SAE 30 only)/ZF TE ML 07F (SAE 30 only).

HABOT H-15W40 HP

Heavy-Duty Engine Oil:

HABOT H-15W40 HP is a high-performance SAE 15W-40 diesel multigrade oil (HDDEO) designed to the unique requirements of the Southern African market. This product is developed for use in both turbocharged and naturally aspirated diesel and petrol engines.

HABOT H-15W40 HP	Viscosity @ 40°C	Viscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	TBN
API CI-4/SL	104 cSt	13.8 cSt	133	-24°C	>230°C	12 mgKOH/g

This product meets and exceeds most OEM requirements:

MB 229.1/MB 228.3/Volvo VDS-3/MAN 3275-1/Cummins CES 20076/77/78/Caterpillar ECF-2, ECF 1a/DEUTZ DQC-III-10.

HABOT H-4000 HP Series

Industrial Hydraulic Oils:

The HABOT H 4000 HP Series is a premium quality, anti-wear hydraulic fluid, designed for use in mobile and high-pressure hydraulic systems. The product delivers outstanding pump and equipment protection, even in severe operating conditions.

HABOT H-4000 HP Series	Viscosity @ 40°C	Viscosity @ 100°C	Viscosity Index	Pour Point	Flash Point	TBN
H-4032 HP	34.1 cSt	5.7 cSt	>100	-36°C	>220°C	0.861
H-4046 HP	46.5 cSt	6.9 cSt	>100	-33°C	>220°C	0.862
H-4068 HP	68.1 cSt	9.1 cSt	>100	-30°C	>230°C	0.865

This product meets and exceeds most OEM requirements:

Denison HF-0, HF-1; HF-2/Cincinnati Machine P-68, P-70, P-69 Eaton Brochure 694 for 35VQ25A (formerly named M-2950-S & I-286-S)/DIN 51524 Part 2 (HLP)/ISO 11158 Categories HM and HV/ASTM D 6158 Type HM and HV.

HABOT H-ELC OAT - Extended Drain Coolants

HABOT's H-ELC OAT Coolant GR is a next-generation OAT that offers extended life. It is a nitrite free, heavy-duty ethylene glycol engine coolant concentrate and ready-mix, that is suitable for both heavy- and light-duty applications, making it ideal for use in mixed fleets.

H-ELC OAT Extended Drain Coolants	Boiling Point	Freezing Point	Flash Point	pH Value	Density
H-ANTIFREEZE PM (Ready-mix)	>108°C	-36°C	>120°C	8.0 – 9.0	1.07 – 1.08
H-ANTIFREEZE CONC (Concentrate)	>108°C	-45°C	>120°C	7.9 – 9.5	1.120 – 1.135

This product meets and exceeds most OEM requirements:

Cummins CES 14603/MB 325.3, MAN 324 SNF/Caterpillar EC-1 (Sections 2.3 - 4.5 incl.)/Freightliner 48-2280/ John Deere JDM H24.

HABOT HIGH-PERFORMANCE GREASES

H-BESLUX PLEX H-2/KT		Base Oil Viscosity at 40°C	NGLI Consistency	Dropping Point (°C)	Welding Load (kg)	Temperature Range (°C)
Special Lithium	Komatsu-approved special Lithium grease with polymers and solid lubricants, specially formulated to reduce wear on heavy loaded pins, bushes and bearings.	460	2	min. 220	600	-20°C to 150°C



Introducing the Next Generation of Food Grade Lubricants

The HABOTEC FG Range of Foodgrade Lubricants was developed to deliver performance while ensuring food safety and caring for the environment. The Habotec FG Range of Lubricants is dedicated to reduce risk and to meet compliance standards for both food safety and equipment performance.

Base Oil Technology

Product formulators are faced with the challenging task of balancing their customer’s requirements. The Habotec FG Lubricant Range has been formulated to deliver optimal performance while remaining gentle on the environment.

How do we achieve this? By offering a Food Grade Range of Lubricants which offers enhanced lubrication when compared to petroleum based oils. This, coupled with the latest environmentally acceptable base oil technology, makes our product range unique in its offering.



Health, Safety & Environment

Due to the nature of the application, significant emphasis is placed on Health & Safety, as indicated by the principles of HACCP.

HABOTEC FG base oil technology allows for peace of mind, as it is NSF H1 Registered (Non-food Compounds).

- The EU Ecolabel LuSC lists as a non-hazardous product, renewable hydrocarbon certified by the Roundtable on Sustainable Biomaterials (RSB).
- The base oil has been certified as Biodegradable as per the OECD testing requirements.



Performance Benefits

Performance is not just measured by Laboratory testing, but also by factors such as the impact it has on the environment and the levels of toxicity, renewability, biodegradability and sustainability.

The HABOTEC FG Range of Foodgrade Lubricants with its unique technology provide clean-performance benefits that not only improve machine efficiency, extend equipment life and lower operating costs, but they also reduce environmental consequences and greenhouse gas production.

Extended Benefits

The HABOTEC FG Range of Lubricants have the ability to resist oxidative breakdown, therefore it is capable of providing longer-lasting protection from potential sludge and varnish build-up in equipment.

The HABOTEC FG Range also has a much lower carbon footprint than most conventional products. The base oil technology with its high thermal stability, allows the HABOTEC FG Range of Lubricants to operate at the elevated temperatures that are experienced in certain food processing and manufacturing facilities.

HABOTEC FG Range of Lubricants

Investment in high-quality lubricants like the HABOTEC FG Range of Lubricants pays-off by reducing maintenance and operating costs in the long run.

There are many applications in the food industry such as agitators, blowers, mixers, fillers, ovens, compressed air and packing machines, where the lubricant used could come into contact with food products. It is therefore considered best practice to use specially registered and certified lubricants to minimise the risk of contamination.

HABOT H-TO-4 Series	Application	Performance Benefits	ISO VG Grades	Classification
HABOTEC Hydraulic Oil FG Series	Hydraulic Systems Vacuum Pumps Air-line Lubricators	Excellent Wear Performance High Viscosity Index Wide Operating Temperature Range	ISO 32 to ISO 68	Halaal NSF H1
HABOTEC Compressor Oil FG Series	Air Compressors Vacuum Pumps Air-line Lubricators	High Viscosity Index High Thermal Stability Extended Drain Intervals	ISO 32 to ISO 88	Halaal NSF H1
HABOTEC Gear Oil FG Series	Reduction Gears Circulating Systems Plain & Roller Bearings	Optimum Protection Against High Loads and High Wear Viscosity Index	ISO 150 to ISO 320	Halaal NSF H1
HABOTEC Chain Oil FG 320	Oven Chains Conveyer Belts	High Operating Temperatures High Thermal Stability	ISO 150 to ISO 320	Halaal NSF H1

Selecting the right lubricant is crucial when improving the reliability and service life of parts and components.



Engineered to Perform

Approximately 30% of bearing failures can be attributed to improper Lubrication, be it too little, too much, or of the wrong type.

Functions of a Lubricating grease

- Lubrication - reduced wear, reduce temperatures, reduce friction
- Protect against high loads
- Sealing
- Reduce corrosion
- Noise Reduction
- Movement Dampening
- Protect against water and chemicals

Grease selection

"Effectiveness and efficiency of a lubricating grease is impacted by the proper and correct grease Selection"

- What mechanism is being lubricated
- What are the working conditions and environmental conditions
- What lubricant / grease is currently being used - check compatibility
- What lubricating problems are being experienced with the current grease

Expectations

- Reduced consumption
- Reduced wear
- Cost to benefit ratio



The HABOT grease range is designed to **take the guess work out of grease**. By considering factors such as operating temperature, load capacity, and environmental conditions the range makes it easy for you to choose the correct product for your application, which is essential to ensure optimal performance of your machinery and equipment. From high-speed bearings or heavy-duty automotive applications to high performance industrial machinery, selecting the appropriate grease ensures smooth operation, prolongs equipment life, and minimizes downtime. With a clear understanding of equipment lubrication requirements and the properties of different greases, we streamlined the grease decision making process, for you to perform preventative maintenance and achieve reliable performance with ease.



H-COUPLING GREASE

COUPLING GREASE

SUPERIOR HIGH LOAD GREASE FOR GRID AND GEAR COUPLINGS
• Calcium Sulphonate • Contains Graphite
• Drop Point >290°C • NLGI 1



H-BACKSTOP GREASE

BACKSTOP GREASE

SUPERIOR LONG LIFE GREASE FOR BACKSTOPS
Lithium • Synthetic • Drop Point Min. 180°C



H-MARINE GREASE

MARINE GREASE

SUPERIOR WATER RESISTANT & ANTI-CORROSION GREASE
• Lithium Calcium • Semi-Synthetic • Tacky



H-ELECTRIC MOTOR GREASE

ELECTRIC MOTOR BEARING GREASE

SUPERIOR ELECTRIC MOTOR BEARING GREASE
• Polyurea • Drop Point Min. 250°C



H-SHAKER/VIBRATOR GREASE

SHAKER & VIBRATOR MOTOR BEARING GREASE

SUPERIOR WATER RESISTANT GREASE FOR VIBRATOR MOTOR BEARINGS
• Barium Complex



H-SYNTHETIC GREASE

SYNTHETIC GREASE

WIDE OPERATING TEMPERATURE RANGE GREASE
• Lithium Complex • Drop Point 285°C
• 4 Ball Weld Load 250kgf



H-ECOLABEL GREASE

BIO GENERAL PURPOSE GREASE

BIODEGRADABLE MULTI-PURPOSE GREASE
• Lithium • Drop Point Min.180°C
• Min. 90% Biodegradable • NLGI 2



H-GENERAL PURPOSE

GENERAL PURPOSE EP2

HIGH QUALITY GENERAL PURPOSE GREASE
• Lithium Calcium • Drop Point: >155°C

TAKING THE GUESS WORK OUT OF GREASE.



H-HIGH SPEED GREASE

HIGH SPEED SPINDLE GREASE

SUPERIOR HIGH SPEED SPINDLE GREASE
• Barium Complex • Full Synthetic • ISO 22



H-CV JOINT GREASE

CV JOINT GREASE

SUPERIOR CV JOINT GREASE
• Lithium Calcium • Contains MoS2 solids • NLGI 2



H-TRACTOR SPLINE GREASE

TRACTOR SPLINE & 5TH WHEEL GREASE

5th WHEEL & SPLINE GREASE
• Not For Bearing Lubrication



H-BALL SCREW GREASE

BALL SCREW GREASE

SUPERIOR LONG LIFE GREASE FOR BALL SCREWS
• Special Lithium • Drop Point 200°C • Semi Synthetic
• Low Torque • Noise Reduction



H-WHEEL BEARING GREASE

WHEEL BEARING & AXLE GREASE

SUPERIOR WHEEL BEARING & AXLE GREASE
• Calcium Sulphonate • Blue • High Weld Load

GRAPHITE GREASE

SUPERIOR GRAPHITE GREASE
• Calcium Sulphonate • 5% Graphite • High Load



H-GRAPHITE GREASE

HIGH PERFORMANCE MULTI PURPOSE GREASE EP 2

SUPERIOR MULTI-PURPOSE GREASE
• Calcium Sulphonate • Drop Off Point Min. 270°C
• 4 Ball Weld Load >700kgf



H-HIGH PERFORM EP2

OPEN GEAR & CHAIN GREASE

SUPERIOR GEAR & CHAIN GREASE
• Calcium Sulphonate • 3% Graphite • High Load
• NLGI 0



H-OPEN GEAR GREASE

HI-LOAD GREASE

SUPERIOR GREASE FOR HIGH LOADED AND LOW SPEED BEARINGS
• Calcium Sulphonate • Base Oil ISO 460
• Drop Point Min. 270°C • 4-Ball Weld Load >700kgf



H-HIGH LOAD GREASE



In the bid to procure cutting-edge components at competitive prices, BMG is able to capitalise on long-standing relationships with leading manufacturers dedicated to excellence in design and production.

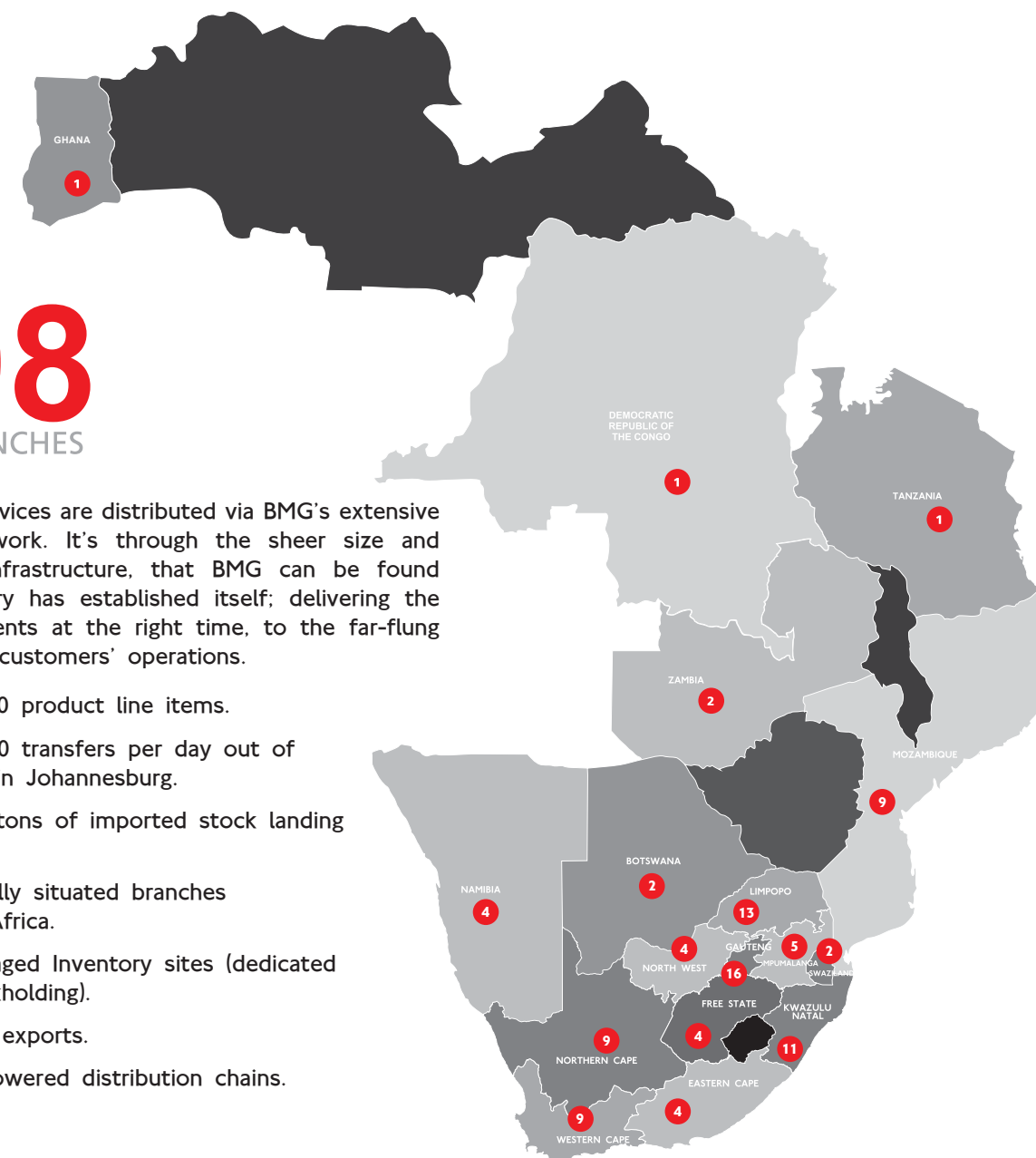
Products are imported from around the globe and brought to BMG's strategically located distribution facilities and regional service centres via the main distribution hub in Johannesburg - BMG World. A world-class facility boasting 308 000m3 of fully stocked warehouse space, an accredited training facility and unlimited engineering capabilities.

Our Extensive Coverage Throughout Africa

98
BRANCHES

Products and services are distributed via BMG's extensive distribution network. It's through the sheer size and reach of our infrastructure, that BMG can be found wherever industry has established itself; delivering the correct components at the right time, to the far-flung coalface of our customers' operations.

- Over 300 000 product line items.
- Around 4 500 transfers per day out of BMG World in Johannesburg.
- Over 1 000 tons of imported stock landing per month.
- 88 strategically situated branches throughout Africa.
- Vendor Managed Inventory sites (dedicated on-site stockholding).
- International exports.
- Locally empowered distribution chains.



Be PART

24 HR TOLL-FREE EMERGENCY
BRANCH HELPLINE:

0800 022 224

WEBSITE:

www.bmgworld.net



An Invicta Holdings Group Company

BEARINGS • SEALS • POWER TRANSMISSION • DRIVES & MOTORS
MATERIALS HANDLING • FASTENERS & TOOLS • HYDRAULICS
PNEUMATICS • FILTRATION • LUBRICATION • VALVES
TECHNICAL RESOURCES • FIELD SERVICES

B-BBEE 2
EMPOWERING SUPPLIER

ISO 9001	Certified
ISO 14001	Certified
ISO 45001	Certified