

Innovated by Royal Purple® Industrial

BIO MAX™

Advanced EAL Performance



Since 2015, Royal Purple® Industrial's BioMax™ has been at the forefront, providing a comprehensive line of environmentally acceptable lubricants (EALs), meticulously created based on market insights and customer needs. With a global shift towards eco-conscious solutions, customers seek products that not only address their challenges but also align with responsible practices. BioMax not only outperforms other EALs, but also often surpasses the performance of traditional non-EAL lubricants. By achieving this high-performance standard without sacrificing environmental benefits, BioMax sets a new benchmark in the industry.



TOUGH JOBS REQUIRE TOUGH SOLUTIONS

EPA 2013 VGP (Vessel General Permit) and 2018 VIDA (Vessel Incidental Discharge Act) regulations for marine vessels require the use of EALs (Environmentally Acceptable Lubricants) in all oil-to-sea interfaces. BioMax's in-house expert R&D team has developed BioMax™ EALs to meet these needs.

BioMax EALs provide excellent performance for use in sensitive environments such as thrust gears, steering gears, stern tubes and other marine, mining and industrial related services. The long life and high film strength of BioMax greatly increases equipment reliability as well as providing excellent protection in highly corrosive environments. It gains its superior performance advantage over competing oils through its powerful blend of synthetic base oils plus our proprietary Synerlec additive technology, that is proven to make bearings and equipment run smoother, cooler, quieter, longer and more efficiently.

BioMax EALs are readily biodegradable, renewable, non-bioaccumulative and low-toxicity, in addition to providing superior lubrication and protection for equipment.

WHAT IS BIOMAX™?

BioMax™ lubricants are high-performance Environmentally Acceptable Lubricants (EAL) formulated with renewable, readily biodegradable synthetic base stocks and proprietary additives to provide superior lubrication and protection for equipment.

BioMax EAL product line is composed of environmentally friendly, synthetic, high-performance lubricants formulated for equipment operating in environmentally sensitive areas. Environmentally friendly lubricants often compromise performance and durability to meet requirements of Environmentally Acceptable Lubricants, but BioMax EAL provides uncompromised lubrication and protection for all lubricated components.

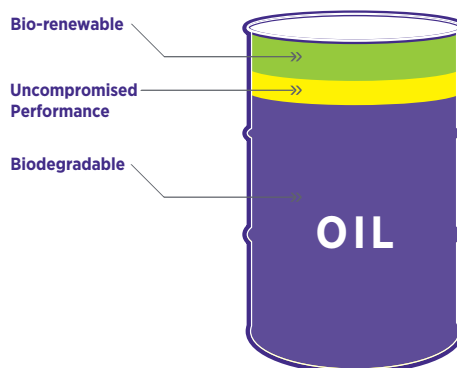
EU Ecolabel certified BioMax meets the 2013 US Environmental Protection Agency (EPA) Vessel General Permit (VGP) restriction placed on use and discharge of lubricants in oil-to-sea interfaces.

FACTS ABOUT BIOMAX

- Designed for environmentally sensitive areas
- European-Ecolabel certified
- Meets 2013 VGP & 2018 VIDA requirements
- Superior performance proven over industry standard oils, competitor EAL products and verified by internal & third party laboratories, field trials and OEMs
- Outstanding corrosion protection, demulsibility and cleanliness
- Excellent hydrolytic, thermal and oxidative stability
- Exceptional antiwear, extreme pressure and film strength properties
- Wide operating temperature range
- Compatible with most common elastomers and seals

BIOMAX EAL BENEFITS

- Over 60% biodegradable with renewable raw materials
- Non-bioaccumulating and low-toxicity
- Far outperforms typical EAL fluids due to our unique base oils, outstanding additive chemistry, and superior formulation



WHAT IS VGP?

2013 Vessel General Permit (VGP) is a regulation put in place to stop harmful lubricant discharge and its impact on U.S. waterways. The VGP regulation applies to vessels that are 79 ft. or greater in length.

WHAT IS VIDA?

The 2018 Vessel Incidental Discharge Act (VIDA) is a U.S. EPA framework for regulating incidental discharges from commercial vessels. VIDA streamlines the patchwork of federal, state, and local requirements for the commercial vessel industry.

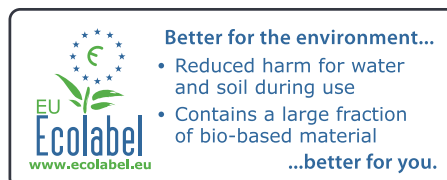
WHAT IS AN EAL?

Environmentally Acceptable Lubricants (EAL) are:

- Readily biodegradable
- Low environmental toxicity
- Non-bioaccumulative according to EU/Ecolabel

WHAT IS ECOLABEL?

- EU Ecolabel is a European certification for products and services which meet the highest environmental standards.
- The Ecolabel logo on BioMax guarantees “environmentally friendly” because it has met strict environmental criteria agreed by every EU member state.
- EU Ecolabel is credible, comprehensive and prominent in the industry.



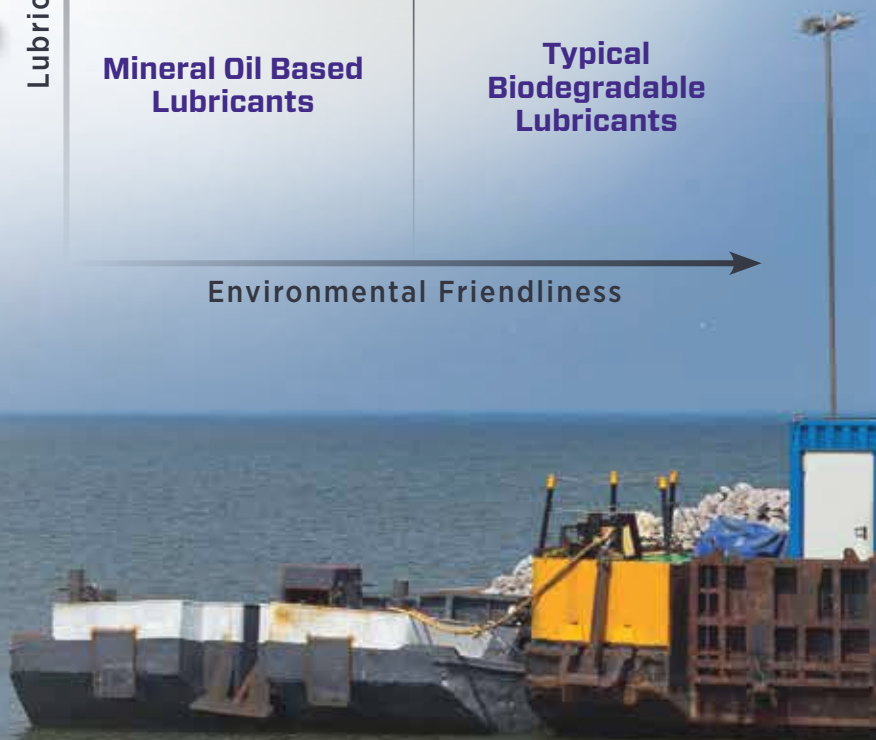
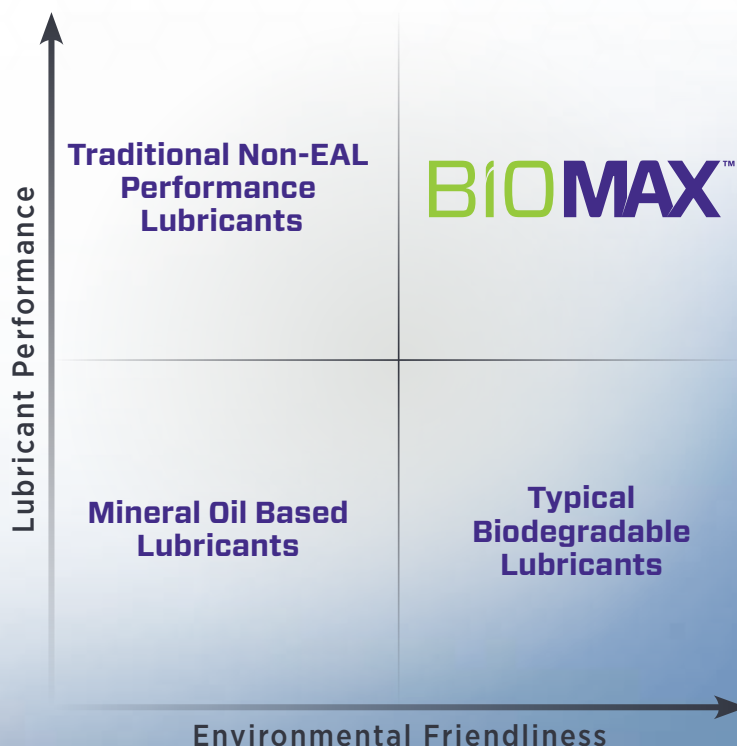
BIOMAX™ EAL PERFORMANCE

UNCOMPROMISED PERFORMANCE

BioMax™ lubricants meet or exceed all EAL requirements of ready biodegradability, low toxicity / bio-accumulation, and renewability.



For all applications
in environmentally
sensitive areas.





BIOMAX™ GEAR EAL

BIOMAX™ GEAR EAL

Gear systems often operate under severe conditions, subjecting the gears to high temperatures, heavy contact and sliding loads, and start-stop shock loading. BioMax Gear EAL provides unmatched protection in these conditions for all enclosed gear systems. The superior synthetic formulation and our proprietary Synerlec® additive technology are the

key to outstanding protection from contact and sliding wear, and damaging shock loads. The EU Ecolabel certification of BioMax Gear EAL guarantees superior environmental and technical standards. BioMax Gear EAL is recommended for any enclosed gear sets requiring an environmentally acceptable lubricant. Common applications include, but are not limited to, the applications below:



PERFORMANCE ADVANTAGES

HIGH FILM STRENGTH – Synerlec® additive technology dramatically reduces metal-to-metal contact, friction, & wear

OUTSTANDING EP PROTECTION – Provides protection against damage due to severe operation and shock loads

EXCEPTIONAL CORROSION & RUST PROTECTION – Prevents internal damage to equipment from chemical attack

SUPERIOR THERMAL STABILITY – Very high operating temperature range (-25°C to 125°C)

ENHANCED HYDROLYTIC STABILITY – Resists breakdown and acidity due to water contamination

OUTSTANDING SYSTEM PERFORMANCE – Lowers operating temperatures and improves efficiency

REDUCED CARBON FOOTPRINT – Extended oil change intervals reduces waste, energy expenditure & CO2 production

SPECIFICATIONS & APPROVALS

- Carco (ISO VG 100 & 150)
- EU Ecolabel
- ISO 12925-1
- David Brown S1.53.101
- US EPA VGP (2013) and VIDA (2018)
- DIN 51517 Part 1, 2 & 3
- GM LS2 EP Gear Oils
- AAA Propulsion (ISO VG 100)
- AGMA 9005-F16
- U.S. Steel 22
- Lagersmit (ISO VG 100 & 150)
- Ortlinghaus Clutches (ISO VG 100)

TYPICAL APPLICATIONS & INDUSTRIES

- Inland waterways and offshore marine equipment including vessel thruster, controllable pitch propellers (CPP) and deck machinery
- Wind turbine and other power generation equipment
- Construction and mining, mobile and stationary equipment
- Forestry service equipment
- Waterparks and water treatment facilities

TECHNICAL DATA

BIOMAX™ GEAR EAL

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	100	150	220	320	460	680
Color	Amber	Amber	Amber	Amber	Amber	Amber	Amber
Relative Density @ 60°F/60°F	ASTM D1298	0.876	0.892	0.905	0.918	0.931	0.944
Viscosity @ 100°C cSt	ASTM D445	15	21.5	27.5	36	47	64
Viscosity @ 40°C cSt	ASTM D445	100	150	220	320	460	680
Viscosity Index	ASTM D2270	157	160	160	160	160	165
Flash Point °C (°F)	ASTM D92	224 (435)	242 (468)	243 (469)	254 (489)	260 (500)	267 (513)
Pour Point °C (°F)	ASTM D97	-39 (-38)	-36 (-33)	-36 (-33)	-33 (-27)	-33 (-27)	-30 (-22)

RUST AND CORROSION PROTECTION

Property	Test Method	100	150	220	320	460	680
Rust Prevention Dist. Water	ASTM D665A	PASS	PASS	PASS	PASS	PASS	PASS
Rust Prevention Sea Water	ASTM D665B	PASS	PASS	PASS	PASS	PASS	PASS
Copper Corrosion 3 hrs @ 100°C	ASTM D2782	1a	1a	1a	1a	1a	1a
Elastomer Compatibility	ISO 6072	PASS	PASS	PASS	PASS	PASS	PASS
Emulsion Characteristics @ 82°C, oil/water/emulsion-minutes	ASTM D1401	39/40/1-15	40/39/1-20	41/37/2-30	43/37/0-30	42/38/0-35	42/37/0-55
Foaming Characteristics @ 24°C/93.5°C/24°C, 3 sequences, tendency/stability-time to break, ml/ml-sec	ASTM D892	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0

WEAR AND EXTREME PRESSURE PROPERTIES

Property	Test Method	100	150	220	320	460	680
FZG Scuffing ISO 14635-1, A/8.3/90	Fail Stage	>14	>14	>14	>14	>14	>14
Four-Ball Wear Weld Load, kg	ASTM D2783	315	315	315	315	315	315
Four-Ball EP Load Wear Index kgf	ASTM D2783	60.3	60.1	68.8	86.8	85.6	86.4
Four-Ball Wear @ 54°C, 1800 rpm, 20 kgf, 60 minutes, mm wear	ASTM D4172	0.28	0.28	0.28	0.28	0.28	0.28
Four-Ball Wear @ 75°C, 1200 rpm, 40 kgf, 60 minutes, mm wear	ASTM D4172	0.49	0.48	0.5	0.46	0.45	0.45

ENVIRONMENTAL PROPERTIES

Property	Test Method	100	150	220	320	460	680
Biodegradability % (28 days)	ASTM D7373	>60	>60	>60	>60	>60	>60
Toxicity (Algae) mg/L	OECD 201	>1000	>1000	>1000	>1000	>1000	>1000
Toxicity (Daphnia) mg/L	OECD 202	>1000	>1000	>1000	>1000	>1000	>1000
Toxicity (Fish) mg/L	OECD 203	>1000	>1000	>1000	>1000	>1000	>1000
Toxicity (Bacteria) mg/L	OECD 209	>1000	>1000	>1000	>1000	>1000	>1000
Bioaccumulation log POW	OECD 107	<3	<3	<3	<3	<3	<3

BIOMAX™ HYDRAULIC EAL

BIOMAX™ HYDRAULIC EAL

BioMax™ Hydraulic EAL is recommended for use in any hydraulic or circulating oil system requiring an environmentally acceptable lubricant. As operating loads and duty cycles increase – and oil volumes decrease – hydraulic and circulating oils face greater stress, often leading to equipment wear and thermal degradation. Under these severe conditions, BioMax Hydraulic EAL provides BioMax Hydraulic EAL is recommended for use in any hydraulic or circulating oil system requiring an environmentally acceptable lubricant. As operating loads

and duty cycles increase – and oil volumes decrease – hydraulic and circulating oils face greater stress, often leading to equipment wear and thermal degradation.

Unlike conventional mineral and synthetic oils, BioMax Hydraulic EAL combines premium synthetic base oils with our proprietary Synerlec® additive technology to deliver unmatched performance. Proven in demanding applications, this advanced formulation helps equipment run smoother, cooler, quieter, and more efficiently – resulting in longer service life, greater reliability, and reduced maintenance demands.



PERFORMANCE ADVANTAGES

HIGH FILM STRENGTH & OUTSTANDING WEAR

PROTECTION – Dramatically reduces metal-to-metal contact, friction and wear, providing exceptional protection of hydraulic components.

EXCEPTIONAL CORROSION & RUST PROTECTION – Prevents internal damage to equipment from chemical attack.

SUPERIOR OXIDATION & THERMAL STABILITY – Resists oil degradation and varnish formation for longer oil life.

EXCELLENT DEMULSIBILITY – Rapidly separates from water, allowing free water to be drained from the system.

EXCELLENT HYDROLYTIC STABILITY – Resists breakdown and acidity due to water contamination.

IMPROVED SYSTEM PERFORMANCE – Lowers operating temperatures and improves efficiency.

SMALLER CARBON FOOTPRINT – Minimizes waste generation, energy consumption, and CO₂ output by extending oil change intervals.

SPECIFICATIONS & APPROVALS

- EU Ecolabel
- ISO 15380 category HEPR
- US EPA VGP (2013) and VIDA (2018)
- DIN 51524 Part 2
- HS Marine (ISO VG 46)
- Fives Cincinnati P-68, P-69, P-70
- Atlas Corp Co. (ISO VG 32)
- Carco (ISO VG 46 & 68)

TYPICAL APPLICATIONS & INDUSTRIES

- Inland waterways and offshore marine equipment including vessel thrusters, controllable pitch propellers (CPPs) and deck machinery
- Mobile and stationary equipment
- Wind turbine and other power generation equipment
- Construction
- Forestry
- Marine
- Mining
- Waterparks and water treatment facilities
- Wind energy

TECHNICAL DATA

BIOMAX™ HYDRAULIC EAL

TYPICAL PHYSICAL PROPERTIES

ISO Grade	Test Method	22	32	46	68
Color		Amber	Amber	Amber	Amber
Relative Density @ 60°F/60°F	ASTM D1298	0.905	0.855	0.861	0.862
Viscosity @ 100°C cSt	ASTM D445	4.75	6.25	8.25	11.3
Viscosity @ 40°C cSt	ASTM D445	22	32	46	68
Viscosity @ 0°C, cSt	ASTM D445	168.7	284.9	445.7	720.2
Viscosity Index	ASTM D2270	140	150	155	160
Flash Point °C (°F)	ASTM D92	246 (475)	233 (451)	233 (451)	231 (448)
Pour Point °C (°F)	ASTM D97	-45 (-49)	-39 (-38)	-39 (-38)	-39 (-38)
Air Release	ASTM D3427	0	<4	<7	<10
Dielectric Breakdown kV	ASTM D887	43	48	49	47

RUST AND CORROSION PROTECTION

Property	Test Method	22	32	46	68
Rust Test 4 hrs @ 60°C, DI H2O	ASTM D665A	PASS	PASS	PASS	PASS
Rust Test 4 hrs @ 60°C, Sea H2O	ASTM D665B	PASS	PASS	PASS	PASS
Copper Corrosion 3 hrs @ 100°C	ASTM D130	1A	1A	1A	1A
Elastomer Compatibility ISO 6072		PASS	PASS	PASS	PASS
Emulsion Characteristics @ 54°C, oil/water/emulsion-minutes	ASTM D1401	-	37/40/3-15	39/40/1-25	40/40/0-30
Foaming Characteristics 3 sequences @ 24°C, 93.5°C, 24°C: tendency/stability (ml)-time to break (sec)	ASTM D892	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0

WEAR AND EXTREME PRESSURE PROPERTIES

Property	Test Method	22	32	46	68
FZG Scuffing ISO 14635-1, A/8.3/90	Fail Stage	>12	>12	>12	>12
Vane Pump Wear Ring, mg	ISO 20763	2	2	2	2
Vane Pump Wear Vanes, mg	ISO 20763	1.5	1.5	1.5	1.5
Four-Ball EP Weld Point kgf	ASTM D2783	200	200	250	250
Four-Ball EP Load Wear Index kgf	ASTM D2783	37.6	54.2	56.9	57.4
Four-Ball Wear @ 75°C, 1200 rpm, 40 kgf, 60 minutes, mm wear	ASTM D4172	0.49	0.47	0.48	0.49

ENVIRONMENTAL PROPERTIES

Property	Test Method	22	32	46	68
Biodegradability % (28 days)	ASTM D7373	>60	>60	>60	>60
Toxicity (Algae) g/mL	OECD 201	>1000	>1000	>1000	>1000
Toxicity (daphnia) g/mL	OECD 202	>1000	>1000	>1000	>1000
Toxicity (Fish) g/mL	OECD 203	>1000	>1000	>1000	>1000
Toxicity (Bacteria) g/mL	OCED 209	>1000	>1000	>1000	>1000
Bioaccumulation log POW	OECD 107	<3	<3	<3	<3

BIOMAX™ STERN TUBE EAL

BIOMAX™ STERN TUBE EAL

BioMax™ Stern Tube EAL is specifically formulated for stern tube lubrication in marine environments. It carries the EU Ecolabel certification, globally recognized as a mark of environmentally acceptable lubricants that meet stringent environmental and technical standards. BioMax Stern Tube EAL is biodegradable, nonbioaccumulative, and minimally toxic, yet provides outstanding lubrication and wear protection for bearings and other stern tube components. Its excellent seal compatibility prevents chemical degradation, reducing the risk of leaks into or out of the stern tube and

ensuring lubricant integrity and long-term system protection. The formulation is non-emulsifying, non-corrosive, and delivers exceptional thermal and oxidative stability, even under high-temperature and highly corrosive conditions.

Unlike conventional mineral or synthetic oils, BioMax Stern Tube EAL combines premium synthetic base oils with proprietary Synerlec® additive technology to deliver superior performance. Proven in demanding marine applications, this advanced formulation helps equipment run smoother, cooler, quieter, and more efficiently, resulting in extended service life, enhanced reliability, and reduced maintenance requirements



PERFORMANCE ADVANTAGES

HIGH FILM STRENGTH & UNMATCHED WEAR PROTECTION

– Provides exceptional protection against friction and wear.

LONGER OIL LIFE – Delivers outstanding oxidation, thermal and hydrolytic stability, combined with effective keep-clean deposit control agents.

EXCELLENT CORROSION PROTECTION – Protects bearings, stern tube systems and surfaces exposed to seawater.

ELASTOMER COMPATIBILITY – Provides superior seal protection and helps elastomers retain their mechanical and physical properties.

NON-EMULSIFYING – Rapidly separates from water, which can easily be drained from the bottom of oil reservoir to keep the oil dry.

IMPROVED SYSTEM PERFORMANCE – Lowers operating temperatures and improves efficiency.

SPECIFICATIONS & APPROVALS

- EU Ecolabel
- RM Propulsion (ISO VG 100 & 150)
- US EPA VGP (2013) and VIDA (2018)
- KEMEL Eagle
- Wärtsilä (ISO VG 100)
- AEGIR Marine
- Lagersmit (ISO VG 100 & 150)
- SKF (ISO VG 100)
- Wärtsilä - Cedervall (ISO VG 100)

TYPICAL APPLICATIONS & INDUSTRIES

- Stern Tubes
- Marine

TECHNICAL DATA

BIOMAX™ STERN TUBE EAL

TYPICAL PHYSICAL PROPERTIES

ISO Grade	Test Method	100	150
Color		Amber	Amber
Relative Density @ 60°F/60°F	ASTM D1298	0.876	0.890
Viscosity @ 100°C, cSt		15.2	20.6
Viscosity @ 40°C, cSt		100	150
Viscosity Index	ASTM D2270	160	160
Flash Point, °C/°F	ASTM D92	263 (506)	267 (512)
Pour Point, °C/°F	ASTM D97	-39 (-38)	-39 (-38)

RUST AND CORROSION PROTECTION

Property	Test Method	100	150
Rust Test 4 hrs @ 60°C, Sea H2O	ASTM D665B	PASS1	PASS
Copper Corrosion 3 hrs @ 100°C	ASTM D130	1A	1A
Elastomer Compatibility	ISO 6072	PASS	PASS
Emulsion Characteristics @ 82°C, oil/water/emulsion-minutes	ASTM D1401	42/38/0-20	315
Foaming Characteristics 3 sequences @ 24°C, 93.5°C, 24°C: tendency/stability (ml)-time to break (sec)	ASTM D892	0/0-0, 0/0-0, 0/0-0	0/0-0, 0/0-0, 0/0-0

WEAR AND EXTREME PRESSURE PROPERTIES

Property	Test Method	100	150
Four-Ball EP Weld Point kgf	ASTM D2783	200	200
Four-Ball EP Load Wear Index kgf	ASTM D2783	56.5	56.8
Four-Ball Wear @ 75°C, 1200 rpm, 40 kgf, 60 minutes, mm wear	ASTM D4172	0.30	0.31

ENVIRONMENTAL PROPERTIES

Property	Test Method	100	150
Biodegradability, % (28 days)	ASTM D7373	>60	>60
Toxicity (Algae) mg/L	OECD 201	>1000	>1000
Toxicity (Daphnia) mg/L	OECD 202	>1000	>1000
Toxicity (Fish) mg/L	OECD 203	>1000	>1000
Toxicity (Bacteria) mg/L	OECD 209	>1000	>1000
Bioaccumulation log POW	OECD 107	<3	<3

BIOMAX™ MULTI-PURPOSE EP GREASE 2

BIOMAX™ MULTI-PURPOSE EP GREASE 2

BioMax calcium sulphonate grease, made from a novel, biodegradable, renewable, non-toxic, non-bioaccumulative, synthetic thickener, is formulated for equipment operating in environmentally sensitive areas, and where incidental food contact may occur, as well as other industry applications. This technology provides high-performance, uncompromised protection for greased machinery while meeting environmental standards.

BioMax Multi-Purpose EP Grease delivers exceptional extreme pressure protection and anti-wear properties, high thermal and oxidative stability, and a wide operating temperature range. BioMax grease also provides excellent rust and corrosion protection, and resistance to water displacement and spray-off. This is especially critical in harsh marine environments where equipment is exposed to wet and highly corrosive conditions.

BioMax Multi-Purpose EP Grease 2 is EU Ecolabel, NSF H1, Kosher and Halal certified. It meets US EPA VGP and VIDA, and contains no MOSH and no MOAH.



PERFORMANCE ADVANTAGES

EXCELLENT MECHANICAL STABILITY – Resists shearing & loss of consistency after prolonged rolling/working of the grease

HIGH LOAD CARRYING CAPACITY – Provides superior protection in heavy rolling & sliding applications & against shock loads

OUTSTANDING WATER RESISTANCE – Stays in place & resists displacement by water immersion & spray

EXCEPTIONAL CORROSION & RUST PROTECTION – Prevents internal damage to equipment from chemical attack

ECO-FRIENDLY – Readily biodegradable grease, with low toxicity to aquatic organisms, formulated with renewable raw materials

SPECIFICATIONS & APPROVALS

- EU Ecolabel
- NSF H1 Food Grade
- Halal
- US EPA VGP (2013) and VIDA (2018)
- Kosher Pareve



TYPICAL APPLICATIONS & INDUSTRIES

Plain and rolling element bearings, open gears, sliding surfaces, and other greased components operating in, but not limited to:

- Marine equipment used in inland waterways, offshore & shipping ports
- Construction & mining mobile & stationary equipment
- Forestry service equipment

- Waterparks & water treatment facilities
- Food manufacturing & pharmaceutical equipment
- Steel mills & other metal foundries
- Power generation

TECHNICAL DATA

BIOMAX™ MULTI-PURPOSE EP GREASE 2

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	
NLGI Grade		2
Color		Beige
Thickener Type		Cal. Sulfonate
Worked Penetration	ASTM D217	265
Base Oil Viscosity @ 40°C, cSt	ASTM D445	103
Base Oil Viscosity @ 100°C, cSt	ASTM D445	16.4
Base Oil Viscosity Index	ASTM D2270	173
Dropping Point °C (°F)	ASTM D2265	>300 (>572)
Oil Separation Storage @ 25°C, %	ASTM D1742	<1.3
Oil Separation Con. Sieve @ 100°C, %	ASTM D1684	<4.8
Water Washout @ 79°C, %	ASTM D1264	<1.5
Roll Stability Dry %	ASTM D1831	1.90%
Roll Stability Water %	ASTM D8022	1.19%

RUST AND CORROSION PROTECTION

Property	Test Method	100
Corrosion Prevention Test @ 52°C	ASTM D4173	PASS
Corrosion Test 10% Syn. Sea Water	ASTM D5969	PASS
Rust Test Emcor 3% NaCl	ASTM D6138	0, 0
Rust Test Emcor 100% Syn. Sea Water	ASTM D6138	0, 1
Copper Corrosion 24hr @ 100°C	ASTM D4084	1A
Elastomer Comp SRE-NBR, Volume %	ASTM D4289	+2
Elastomer Comp SRE-NBR, Hardness %	ASTM D4289	-1

WEAR AND EXTREME PRESSURE PROPERTIES

Property	Test Method	100
Fretting Wear Protection mg	ASTM D4170	<10
Four-Ball WearTest @ 75°C, 1,200 rpm, 40 kgf, 60 minutes, mm wear	ASTM D2266	<0.45
Four-Ball EP Weld Point kgf	ASTM D2596	620
Four-Ball EP Load Wear Index kgf	ASTM D2596	105
Timken EP Test OK Load, lb	ASTM D2509	>75
EP Properties SRV @ 80°C	ASTM D5706	1,300
Useful Temperature Range °C (°F)	ASTM D5800	-40 to 177 (-40 to 350)

TESTIMONIALS

“One gearbox has been running for over 3 years on the first oil filling and the other just 2 years. So far, the savings amount to €6,200 compared to the old situation. In addition, based on independent, regular oil sample analyses, the oil is still in excellent condition, so it is not necessary to change it. That means an additional saving of €3,800 per year.”

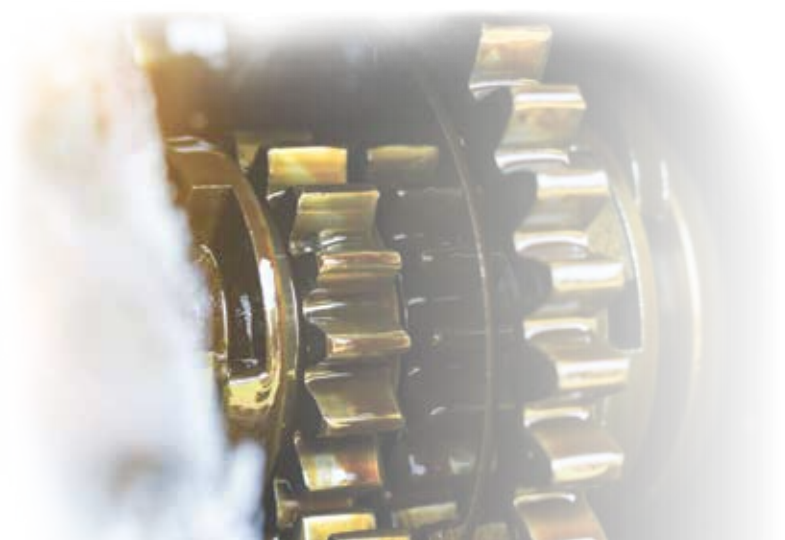
– *Maintenance manager at a large dairy foods company*

“Despite the fact that this oil has a higher price, it has been interesting for us to start using this product. It has now been a rapid change, and the ship was quickly operational again. We have tested many brands, but none of the other brands gave the desired result. In addition, this product offers more protection for our equipment in the long term. Because Royal Purple BioMax is a biodegradable oil, we as a company also contribute to a better environment!”

– *Reliability manager at a global tug and workboat company*

We recently switched from a food grade biodegradable grease to BioMax Multi-Purpose EP Grease 2 for use on our fully submerged dredge. We've been very happy with the performance and adhesion of the grease in this challenging environment. Production has been excellent with minimal downtime. There have been no lubrication-related failures associated with components using the BioMax grease product.

– *Operator at an Alaska gold dredging company*



NOTES

Innovated by Royal Purple® Industrial

BIO MAX™

Advanced EAL Performance



THE SYNTHETIC EXPERT

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