



PRODUCT APPLICATION GUIDE

14 YEARS #1 GLOBAL LUBRICANTS SUPPLIER

SHELL LUBRICANTS
TOGETHER ANYTHING IS POSSIBLE

SHELL LUBRICANTS

Shell is the number one global lubricant supplier, delivering market-leading lubricants to consumers in over 100 countries. Shell Lubricants brings world-class technological insights to its products, offering you the best formulations for your vehicle.



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Gasoline & Light Duty Diesel Engines

Helix Ultra – Shell's most advanced, 'gas to liquids', fully synthetic motor oil formulation incorporating active cleansing technology for high performance gasoline and light-duty diesel engines including turbo-charged engines; tailored to meet the highest OEM requirements. Meets API SN Plus.

Helix HX7 5W20, 5W30, 10W30, 10W40 – Synthetic technology (semi-synthetic) oil for the long-term protection of gasoline engines. Suitable for use in turbo-charged gasoline engines. Meets API SN Plus and ILSAC GF-5.

Helix HX5 10W30, 10W40, 20W50 – Mineral mainstream multigrade engine oil for gasoline engines. Meets API SN and ILSAC GF-5.

Helix HX3 SAE 40 & 50 – Mineral monograde engine oil for older high-mileage gasoline engine vehicles. Meets API SL/CF



Heavy-Duty Diesel Engines

Rimula R6 LM – Top-tier Synthetic 'Low-SAPS' Heavy Duty Diesel engine oil that meets a wide range of major OEM specifications. Meets the long-drain requirements of Mercedes, MAN, DAF and others, from the latest Euro 6 to older generation engines. Specs - API CJ-4, ACEA E9, Volvo VDS-4 and many others.

Rimula R5 LE – Synthetic technology 'Low-SAPS' Heavy Duty Diesel engine oil meeting a wide range of OEM specifications. Specs - API CK-4 / SN and lower, ACEA E9 and lower and many others.

Rimula R4 L - Mineral based 'Low-SAPS' Heavy Duty Diesel engine oil meeting a wide range of OEM specifications. Specs - API CK-4 / SN and lower, ACEA E9 and lower and many others.

Rimula R4 X – Mainstream Triple Protection Heavy Duty Diesel engine oil that delivers lower maintenance costs and increased reliability. Specs - API CI-4 /SL and lower, ACEA E7and lower.

Rimula R3 MV – Hardworking heavy duty diesel engine oil providing low wear protection for long life. Specs - API CI-4 and lower, ACEA E3, Cat ECF-1A & 2, MAN EO-M Plus.

Rimula R2 – Monograde heavy duty diesel engine oil meeting API CF.

Automotive Gears, Axles & Final Drives

Spirax S6 AXME – Superior performance synthetic, fuel efficient GL-5 axle oil designed to provide ultimate protection to the latest heavy duty manual transmissions and axles.

Spirax S6 ATF A295 – Synthetic extended drain heavy duty automatic transmission fluid specifically designed and approved for use in transmissions requiring Allison TES-295 fluids.

Spirax S5 CFD M 60 – High performance off-highway final drive and axle oil and meeting the Caterpillar FD-1 final drive and axle oil specification.

Spirax S2 A – High quality GL-5 axle oil intended for use in a wide variety of automotive axle units subjected to heavy duty conditions.

Spirax S1 G – High quality API GL-1 oil for certain transmissions and lightly loaded automotive gear sets.



Automotive Transmissions

Spirax S4 ATF HDX – Advanced synthetic technology automatic transmission fluid suitable for wide a range of heavy-duty automotive transport and passenger car transmissions.

Specifications – Ford Mercon, GM Dexron III G, Allison C4, and others.

Spirax S3 ATF MD3 – High performance, premium quality automatic transmission fluid that meets the stringent requirements of leading automotive transmission manufacturers.



Multi-Functional Tractor Transmission Fluid

(for Transmissions, Hydraulic Systems, and Oil-Immersed brakes)

Spirax S4 TXM - Premium SAE 10W/30 Multi-functional Tractor Transmission and Hydraulic Fluid for agricultural tractor transmissions, hydraulic systems, and oil-immersed brakes.

Spirax S4 CX 10W, 30, 50 – High performance off-highway transmission and hydraulic oil for use in modern transmissions, final drive, oil immersed brakes, and hydraulic systems in heavy-duty off-highway equipment.

Motorcycle 4-Stroke & 2-Stroke Engines

(Air-cooled Engines)

Advance 4T AX5 20W-50 – Premium mineral 4-stroke motorcycle engine oil. It is based on premium mineral base oil and a special motorcycle additive pack with Active Cleansing Technology.

Advance SX2 – 2-Stroke engine oil for motorcycles, lawn mowers, grass cutters, chain saws, etc. where the use of a 2-stroke oil for air-cooled engines is specified. N.B. NOT for use in outboard (marine) two-stroke engines.



Two-Cycle Outboard (Marine) Engines

Nautilus Premium Outboard Oil (TC-W 3) – High performance lubricant for the protection of 2-stroke gasoline outboard engines used in fishing and leisure applications.

N.B. NOT for use in 2-stroke air-cooled engines e.g. lawn mowers, chain saws, and weed or brush cutters.



Automotive & Off-Highway Greases

Gadus S4 V600AC 1.5 – Advanced multipurpose semi-synthetic heavy- duty grease. Its unique combination of thickener, polymers, and additives allows the grease to resist water washout and provide long lasting protection for pins, bushings, chassis points, 5th wheels, universal joints, and couplings in the Mining, Steel, Forestry, and agriculture sectors.

Gadus S3 V460XD 2 – Premium multipurpose heavy-duty lithium complex grease with extra solids designed for use in a wide range of industrial and mining applications. It provides excellent high temperature oxidation performance and contains molybdenum disulphide to provide additional resistance to shock loading.

Gadus S3 V460D 2 – Premium multipurpose heavy-duty lithium complex grease with solids used for the lubrication of heavy-duty, slow moving bearings subject to shock loads in the mining and steel industries.



Automotive & Off-Highway Greases (cont'd)

Gadus S3 V220C 1 & 2 – Premium multipurpose extreme pressure greases incorporating a high viscosity index mineral oil and a lithium complex thickener. They provide outstanding high temperature oxidation performance and are excellent for use in automotive applications like wheel bearings, universal joints, front axles, as well as continuous casting, quarries, vibrating sieves, breakers and roller conveyors.

Gadus S2 V220AD 2 – High performance multipurpose grease with solids, based on a mixed lithium-calcium soap thickener for use in bearings subjected to harsh conditions. It also contains solids that make it suitable for the lubrication of shock loaded heavy-duty bearings working in damp, hostile environments as well as fifth wheels.

Gadus S2 V220AC 2 - High performance, multipurpose grease, based on a mixed lithium-calcium soap thickener for the lubrication of heavy-duty plain and rolling element bearings working in the following environments: vibrating conditions, heavy load, high temperature, and the presence of water.



Industrial Greases

Gadus S5 V100 2 – Advanced multi-purpose lithium-complex grease based on synthetic base oils and containing a special friction modifier which makes it suitable for high-speed bearings, tapered roller bearings, and cylindrical bearings.

Gadus S2 V220 2 – High quality, multi-purpose, extreme pressure grease based on high viscosity index mineral oil and lithium soap thickener. It is designed for use in applications like rolling element and plain bearings, as well as hinges and sliding surfaces as found in most industrial and transport applications.

Gadus S2 U 1000 2 – High performance, heavy-duty, multipurpose, grease based on a non-melting bentonite clay thickener. It provides excellent lubrication over a long period of time in both wet and dry environments and can withstand contaminants, such as water and other chemicals found in industrial plants. Suitable for ball, roller and sleeve bearings, as well as sliding surfaces and grease lubricated gears.

Gadus S2 A320 - Smooth textured calcium-based grease for industrial and marine applications at moderate temperatures requiring extreme pressure performance. Suitable for use in plain bearings ONLY operating under arduous conditions in the presence of water e.g. stern tube bearings, cranes, davits, winches, windlass, and for general wire-rope or open gear lubrication.



Industrial Hydraulic Systems

Tellus S4 ME – Advanced synthetic industrial hydraulic fluid that delivers extra-long service life, increased protection, lower maintenance costs, as well as energy savings. It has been demonstrated to improve energy efficiency in a wide range of applications including plastic injection moulding, metal pressing, mining conveyors.

Tellus S3 M 68 – Premium zinc-free industrial hydraulic oil that delivers long fluid life and excellent wear protection.

Tellus S2 VX – High performance hydraulic fluids based on Group II base oils that provide outstanding performance and protection across a wide range of temperatures. Suitable for use in mobile or external hydraulic systems that are exposed to wide temperature variations.

Tellus S2 MX – High performance Group II-based industrial hydraulic fluid that provides outstanding protection and performance in most manufacturing and mobile equipment operations.

Hydraulic S1 M – Quality anti-wear hydraulic fluid that provides cost-effective and reliable performance and protection in both industrial and mobile hydraulic applications.

**Shell
Tellus**



Industrial Gears

Omala S4 GXV – Advanced synthetic heavy duty industrial gear oil offering outstanding lubrication performance, including reduced friction, long service life, and high resistance to micro-pitting under severe operating conditions, along with superb seal and paint compatibility.

Omala S2 GX – High quality extreme pressure industrial gear oil for the lubrication of heavy industrial gearboxes. It delivers high load carrying capacity and very good anti-friction characteristics that combine to offer superior performance in gears.

Air Compressors

Corena S4 R – Advanced synthetic rotary air compressor oil that delivers oil maintenance intervals up to 12,000 hours in rotary screw and sliding vane compressors. Also approved for use in ABB VTR turbochargers.

Corena S2 P – High quality mineral oil intended for use in reciprocating (piston type) air compressors.

N.B. Shell Corena S2 P may be used in breathing air compressors, provided subsidiary clean-up apparatus is used to ensure that the air produced is fit for breathing.

Turbines (R&O Applications)

Turbo S4 X – Premium gas-to-liquids based industrial steam, gas, and combined cycle turbine lubricant developed to meet the demands of the latest high efficiency turbine systems.

Turbo S4 GX – Premium gas-to-liquids based industrial steam, gas, and combined cycle lubricant developed to meet the demands of the latest high efficiency geared turbine systems.

Turbo T – High quality industrial steam and light-duty gas turbine oil. Also suitable for use in other rotating equipment applications that require a rust and oxidation (R&O) inhibited oil.

Insulating Oil for Transformers / Switchgear

Diala S4 ZX-I – Premium inhibited electrical insulating oil manufactured from zero sulphur base oils using Shell's gas-to-liquid technology. It is designed to meet the challenges of the latest power transformers and is free from PCBs, DBDs, and passivators.

Diala S2 ZX-A – Inhibited electrical insulating oil manufactured from highly refined mineral oils.

Shell
Diala

Heat Transfer Systems

Heat Transfer S2 X – High performance heat transfer fluid for use in indirectly heated closed heat transfer systems. It contains an oxidation inhibitor to provide long service life.

Bearing & Circulating Systems

Morlina S2 B – High performance industrial bearing and circulating oil. It can also be used in other applications that do not require extreme pressure protection.

Morlina S2 BL – Special application bearing and circulating oil designed to provide extended performance in high-speed spindles of machine tools.

The Shell Morlina range of bearing and circulating oils has been developed to enable equipment operators to select the oil that will deliver optimum value to their operations through enhanced wear protection, long oil life and high system efficiency.



Refrigeration Compressors

Refrigeration S2 FR-A 68 – A low miscibility compressor lubricant intended for use in refrigeration compressors using Ammonia refrigerant.

Air Tools

Air Tool Oil S2 A 320 – Pneumatic tool and rock drill oil.

Large Industrial Engines – Marine & Power

Alexia S4 – BN 60 SAE 40 cylinder lubricant for two-stroke low-speed diesel engines running on low sulphur heavy fuel oil.

Alexia 50 – BN 70 SAE 50 cylinder lubricant for two-stroke low speed diesel engines burning residual fuels having sulphur levels of up to 3.5%

Argina S5 – BN 55 SAE 40 multifunctional crankcase lubricant for highly rated medium speed diesel engines operating on residual fuel.

Argina S4 – BN 40 SAE 40 multifunctional crankcase lubricant for highly rated medium speed diesel engines operating on residual fuel.

Large Industrial Engines (cont'd)

Argina S3 - BN 30 SAE 40 multifunctional crankcase lubricant for highly rated medium speed diesel engines operating on residual, blended, or distillate fuels.

Argina S2 - BN 20 SAE 40 multifunctional crankcase lubricant for highly rated medium speed diesel engines operating on residual, blended, or distillate fuels in conditions of low oil stress.

Melina S – High performance multifunctional low-speed diesel engine crankcase lubricant. Can also be used in turbochargers, geared transmissions, oil lubricated stern tubes and deck machinery requiring an SAE 30 lubricant.

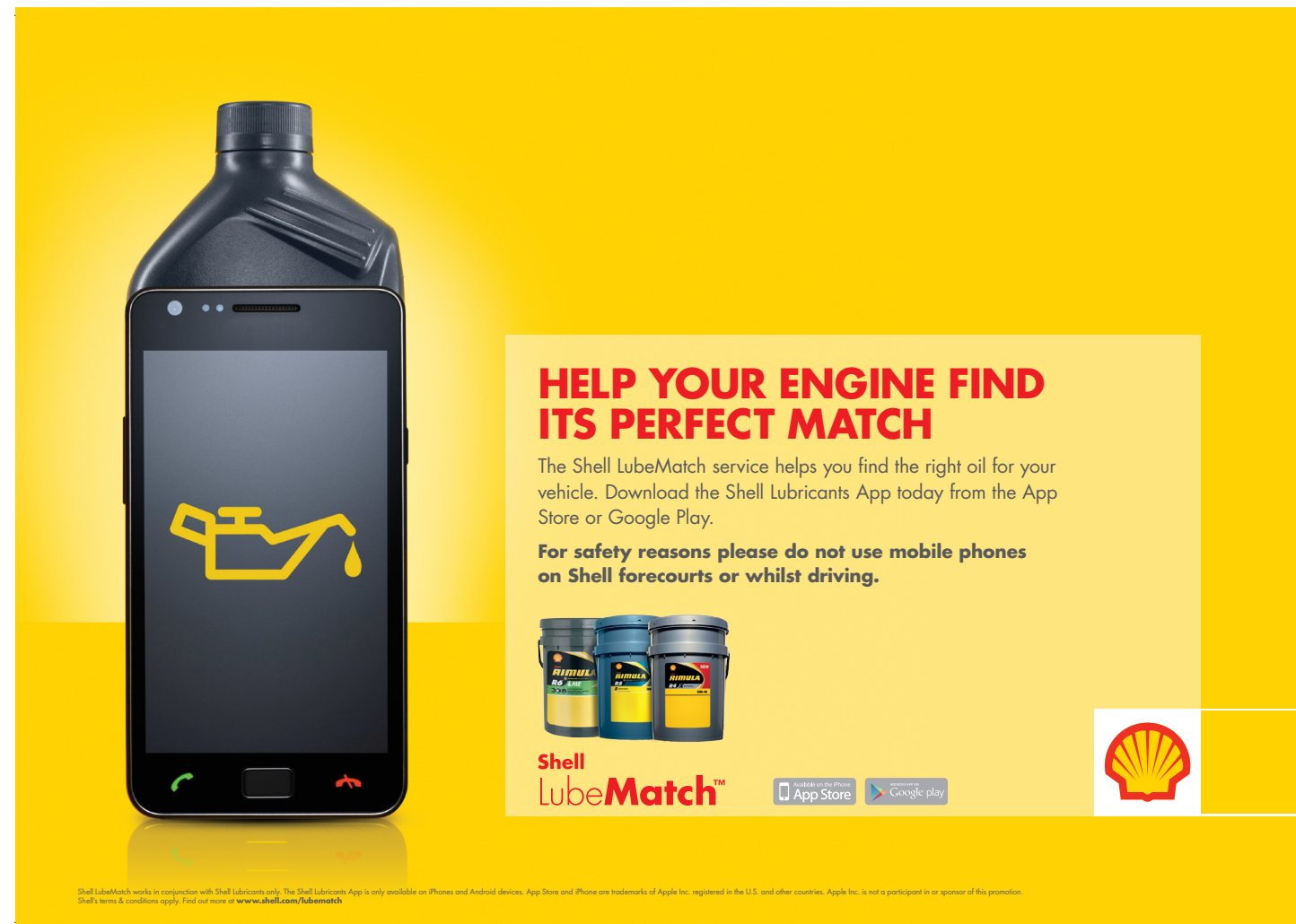
Gadinia S3 – High quality, multi-functional medium-speed diesel engine lubricant. It is designed for the most highly rated engines in marine and power generation applications burning distillate, hybrid, and bio-fuels with a sulphur content of up to 1%. Can also be used in non-engine marine applications like gearboxes, clutches, and stern tubes.

Gadinia AL – Advanced lubricant for medium-speed trunk piston engines running on distillate fuel. It is especially designed to control oil consumption in engines where liner lacquering is a potential problem.



Shell LubeMatch

Find out which oil is right for your vehicle using Shell's LubeMatch tool and we'll match the best oil products with your make and model of vehicle.



HELP YOUR ENGINE FIND ITS PERFECT MATCH

The Shell LubeMatch service helps you find the right oil for your vehicle. Download the Shell Lubricants App today from the App Store or Google Play.

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