

Shell Marine Products



LUBRICANTS FOR MARINE APPLICATIONS

Product catalogue



YOU CAN RELY ON SHELL MARINE PRODUCTS

Shell Marine Products aims to give you peace of mind by delivering the right products and technical services when and where you need them, and through its technology and marine industry knowledge.

THE RIGHT PRODUCTS

We can help to remove the stress of managing multiple suppliers by offering one-stop access to a comprehensive range of high-quality products. For the seventh consecutive year, Shell has been named the number-one global lubricants market share leader according to Kline and Company.

Our products are designed to meet your current and anticipated needs, and to help you relax in the knowledge that your lubricated equipment is well protected and operating efficiently. We can also make it easier to select the right products for your equipment, operating conditions and business needs.



DEDICATED SERVICE AND SECURED DELIVERY

With more than 30 lubricant blending plants and a network of 500 ports over 40 countries, you can be confident in our ability to keep your business moving by delivering the products you need, when and where you need them. You can order these lubricants at any time by telephone, email or fax through our international customer service centre.

TECHNICAL SERVICES THAT IMPROVE YOUR EQUIPMENT RELIABILITY

Peace of mind also comes from knowing that you can improve the reliability of your equipment and have the training and expertise to solve lubrication challenges that might arise. Through our technical services, we can recommend the right products for your needs, offer flexible training programmes, help to optimise equipment performance and analyse and diagnose lubricant-related problems.

EXPERIENCED PARTNER WITH MARINE KNOWLEDGE

With Shell Marine Products, you have an experienced partner that continues to invest in the future. Our current products and services are backed by over 100 years of pioneering marine technology, and as part of the Shell Group, by about USD1.3 billion a year invested in research and development. Shell Projects and Technology employs more than 14,000 technical experts devoted to developing innovative products, including the experienced scientists at our dedicated marine and power innovation centre.

HEALTH, SAFETY, SECURITY AND ENVIRONMENT

Shell Marine Products has a clear commitment to health, safety, security and the environment, and works continuously to embed a safety culture throughout its organisation. We apply rigorous operating procedures and quality standards, and the latest technologies to enable safe and reliable deliveries to our customers. The standards we set for ourselves are also those we insist on from the contractors and partners working on our behalf.

AS PART OF ITS INTERNATIONAL OFFERING, SHELL MARINE PRODUCTS OFFERS THE FOLLOWING RANGE OF BRANDED TECHNICAL SERVICES

TECHNICAL SERVICE	DESCRIPTION
Shell LubeAdvisor	Technical support services, lubrication surveys and audits, storage and handling advice
Shell LubeCoach	Empower your staff with our training
Shell LubeExpert	Specialist on-site critical application support and inspections by application, marine and product experts
Shell Lube Monitor	Cylinder condition monitoring
Shell Rapid Lubricants Analysis	Laboratory oil condition monitoring tools service
Shell Rapid Lubricants Onboard Plus	Onboard oil condition monitoring tools
Shell Rapid Lubricants Onboard Alert	

PRODUCTS AND TYPICAL PHYSICAL CHARACTERISTICS

Our products are designed to meet your current and anticipated needs, and to help you relax with the knowledge that your lubricated equipment is well protected and operating efficiently. Please contact your Shell representative if you have any questions. Visit www.shell.com/marine to view our latest product portfolio.

PRODUCT NAME	PRODUCT DESCRIPTION	SAE GRADE	VISCOSITY, mm ² /s AT		BASE NUMBER, mg/KOH/g	FLASH POINT, °C	POUR POINT, °C	DENSITY, kg/m ³ AT 15°C
			40°C	100°C				
LOW-SPEED ENGINES								
Shell Alexia S3	Cylinder oil for low-speed, two-stroke diesel engines entering Emission Control Areas. Suitable for use with engines burning low-sulphur and distillate fuels with up to 0.5% sulphur. Viscosity index >95	50	–	19.5	25	235	–15	908
Shell Alexia S4	High-performance cylinder oil with a viscosity index >95 for low-speed, crosshead diesel engines	40	–	15.7	60	>210	<–6	926
Shell Alexia S5	Cylinder oil for low-speed, two-stroke diesel engines running under conditions of high stress. Suitable for use with engines burning residual fuel with sulphur levels above 1.0%. Viscosity index >95	50	–	16.9	80	>210	<–6	940
Shell Alexia S6	Cylinder oil for low-speed, two-stroke diesel engines running under conditions of extreme oil stress. Suitable for use with engines burning residual fuel with sulphur levels above 1.0%. Viscosity index >95	50	–	16.9	100	>210	<–6	954
Shell Melina S 30	Advanced multifunctional crankcase system lubricant for low-speed marine diesel engines	30	104	11.6	5	227	–18	897
MEDIUM-SPEED ENGINES								
Shell Argina S 40	Lubricant for medium-speed diesel engines operating on low-sulphur residual, blended, distillate or dual fuel conditions	40	135	14.0	20	234	–18	909
Shell Argina T 30	Lubricant for highly rated, medium-speed diesel engines operating on residual fuel under moderate oil stress conditions	30	110	12.0	30	212	–18	918
Shell Argina T 40	Lubricant for highly rated, medium-speed diesel engines operating on residual fuel under moderate oil stress conditions	40	135	14.0	30	225	–18	921
Shell Argina X 40	Lubricant for highly rated, medium-speed diesel engines operating on residual fuel under high oil stress conditions	40	135	14.0	40	205	–18	916
Shell Argina XL 40	Lubricant for highly rated, medium-speed diesel engines operating on residual fuel under very high oil stress conditions	40	135	14.0	50	229	–18	921
Shell Gadinia 30	Lubricant for medium-speed, marine diesel engines operating on distillate fuels	30	104	11.8	12	>200	–18	897
Shell Gadinia 40	Lubricant for medium-speed, marine diesel engines operating on distillate fuels	40	139	14.4	12	>225	–18	900
Shell Gadinia AL 30	Advanced lubricant for medium-speed, marine diesel engines operating on distillate fuels and where liner lacquering is a potential problem	30	95	11.4	15	>200	–18	893
Shell Gadinia AL 40	Advanced lubricant for medium-speed, marine diesel engines operating on distillate fuels and where liner lacquering is a potential problem	40	140	14.3	15	>200	–18	900
Shell Mysella S3 N 40	High-performance engine oil for four-stroke spark-ignition gas engines requiring a low-ash oil to meet the latest emission requirements	40	139	13.5	5	230	–18	890

PRODUCT NAME	PRODUCT DESCRIPTION	SAE GRADE	VISCOSITY, mm ² /s AT		BASE NUMBER, mg/KOH/g	FLASH POINT, °C	POUR POINT, °C	DENSITY, kg/m ³ AT 15°C
			40°C	100°C				
HIGH-SPEED ENGINES								
Shell Rimula R3+ 30	Monograde, heavy-duty diesel engine oil	30	93	11.0	9	242	-18	890
Shell Rimula R4 L 15W-40	Low-emissions, multigrade, heavy-duty diesel engine oil	-	118	15.5	10.6	227	-33	883
Shell Rimula R4 X 15W-40	Multigrade, heavy-duty diesel engine oil	-	109	14.7	10.5	230	-36	888
Shell Rimula R6 M 10W-40	Maintenance saving – fully synthetic, heavy-duty diesel engine oil	-	90	13.6	15.9	240	-42	867
Shell Rotella DD+ 40	Heavy-duty, diesel two-stroke engine oil	40	138	14.4	8	250	-15	899
Shell Sirius X 40	Premium SHPD (super high performance diesel) lubricant	40	139	14.0	17	230	-18	890
ENVIRONMENTALLY ACCEPTABLE LUBRICANTS								
Shell Naturelle HF-E 46	Synthetic ester based advanced hydraulic fluid for use in applications requiring VGP compliance. Approved for use in major OEMs' stabilisers and controllable-pitch propellers. Holds ISO 15380 (HEES) and DIN 51524 part 2 and 3. Ecolabel registered for VGP 2013 compliance		47	9.4	-	322	-42	921
Shell Naturelle HF-E 68	Synthetic ester based advanced hydraulic fluid for use in applications requiring VGP compliance. Approved for use in major OEMs' stabilisers, controllable-pitch propellers and stern tubes. Holds ISO 15380 (HEES) and DIN 51524 part 2 and 3. Ecolabel registered for VGP 2013 compliance		68	12.3	-	320	-42	924
Shell Naturelle S4 Gear Fluid 68	Fully saturated ester based gear fluid for use in thrusters and propulsion drives and certain stern tube designs. Superior load-carrying performance while maintaining biodegradability. Ecolabel registered for VGP 2013 compliance		68	11.0	-	>180	-24	909
Shell Naturelle S4 Gear Fluid 100	Fully saturated ester based gear fluid for use in thrusters and propulsion drives and certain stern tube and controllable-pitch propeller designs. Superior load-carrying performance while maintaining biodegradability. Ecolabel registered for VGP 2013 compliance		100	14.0	-	280	-24	919
Shell Naturelle S4 Gear Fluid 150	Fully saturated ester based gear fluid for use in thrusters and propulsion drives and certain stern tube designs. Superior load-carrying performance while maintaining biodegradability. Ecolabel registered for VGP 2013 compliance		150	18.0	-	280	-24	927
Shell Naturelle S4 Stern Tube Fluid 100	Non-emulsifying, fully saturated fluid approved by the major stern tube OEMs and holding the Ecolabel for vessel general permit (VGP) 2013 compliance. Designed to offer superior lubrication performance while maintaining biodegradability		100	13.7	-	>230	-30	941
PRODUCT NAME	PRODUCT DESCRIPTION		VISCOSITY, mm ² /s AT		BASE	NLGI	AVERAGE DROPPING POINT, °C	OPERATING TEMP, °C
			40°C	100°C				
ENVIRONMENTALLY ACCEPTABLE LUBRICANTS								
Shell Naturelle Grease S5 V 120P	Advanced, biodegradable, extreme-pressure grease for use in plain and roller bearings and for general vessel lubrication. Approved by major rudder carrier and deck machinery OEMs. Ecolabel registered for VGP 2013 compliance		120	19	Lithium	2	180	-35 to +100
Shell Naturelle S2 Wire Rope Lubricant A	A high-performance- fully biodegradable lubricant for use on wire ropes, cables and open gears offering high resistance to water wash-off while maintaining outstanding adhesion properties. Complies with the VGP 2013 definitions		>550	>80	Calcium	1-2	120	-20 to +100

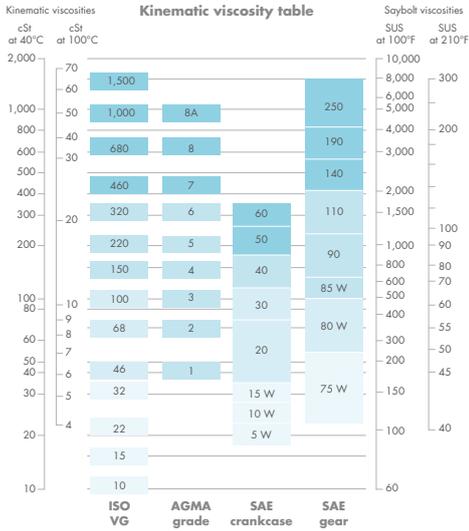
PRODUCT NAME	PRODUCT DESCRIPTION	VISCOSITY, mm ² /s AT		BASE NUMBER, mg/KOH/g	FLASH POINT, °C	POUR POINT, °C	DENSITY, kg/m ³ AT 15°C
		40°C	100°C				
HYDRAULIC SYSTEMS							
AeroShell Fluid 41	Superclean special application mineral fluid	14.1	5.3	–	105	<–60	870
Shell Tellus S2 V 15	Premium hydraulic lubricant for wide temperature ranges	15	3.8	–	160	–42	871
Shell Tellus S2 V 22	Premium hydraulic lubricant for wide temperature ranges	22	4.8	–	190	–39	872
Shell Tellus S2 V 32	Premium hydraulic lubricant for wide temperature ranges	32	6.4	–	170	–42	872
Shell Tellus S2 V 46	Premium hydraulic lubricant for wide temperature ranges	46	8.2	–	210	–39	872
Shell Tellus S2 V 68	Premium hydraulic lubricant for wide temperature ranges	68	10.9	–	230	–36	877
Shell Tellus S2 V 100	Premium hydraulic lubricant for wide temperature ranges	100	14.7	–	176	–30	889
Shell Tellus S3 M 46	Premium, zinc-free, industrial hydraulic fluid	46	6.8	–	220	–33	865
Shell Tellus S4 VX 32	Ultra-low-temperature hydraulic fluid	33.8 (2,624 at –40°C)	9.9	–	>100	–60	866
GEAR SYSTEMS							
Shell Omala S2 G 68	Extreme-pressure lubricant for highly loaded enclosed gears and bearings	68	8.7	–	193	–27	880
Shell Omala S2 G 100	Extreme-pressure lubricant for highly loaded enclosed gears and bearings	100	11.4	–	195	–27	880
Shell Omala S2 G 150	Extreme-pressure lubricant for highly loaded enclosed gears and bearings	150	15.0	–	198	–21	884
Shell Omala S2 G 220	Extreme-pressure lubricant for highly loaded enclosed gears and bearings	220	19.0	–	204	–18	900
Shell Omala S2 G 320	Extreme-pressure lubricant for highly loaded enclosed gears and bearings	320	25.0	–	210	–15	903
Shell Omala S2 G 460	Extreme-pressure lubricant for highly loaded enclosed gears and bearings	460	31.8	–	216	–9	897
Shell Omala S2 G 680	Extreme-pressure heavy-duty gear lubricant for highly loaded enclosed gears and bearings	680	38.0	–	272	–9	912
Shell Omala S4 GX 150	Advanced synthetic extreme-pressure lubricant for heavy-duty enclosed gears and bearings	158	21.7	–	238	–45	877
Shell Omala S4 GX 220	Advanced synthetic extreme-pressure lubricant for heavy-duty enclosed gears and bearings	230	30.0	–	250	–45	881
Shell Omala S4 GX 320	Advanced synthetic extreme-pressure lubricant for heavy-duty enclosed gears and bearings	335	40.0	–	252	–42	883
Shell Omala S4 WE 220	Advanced synthetic heavy-duty gear lubricant for special applications	222	34.4	–	278	–39	1,074

PRODUCT NAME	PRODUCT DESCRIPTION	VISCOSITY, mm ² /s AT		BASE NUMBER, mg/KOH/g	FLASH POINT, °C	POUR POINT, °C	DENSITY, kg/m ³ AT 15°C
		40°C	100°C				
AIR COMPRESSORS							
Shell Corena S2 P 100	High-performance lubricant for reciprocating air compressors	100	9.2	–	240	–33	899
Shell Corena S2 P 150	High-performance lubricant for reciprocating air compressors	155	12.1	–	240	–30	902
Shell Corena S4 P 100	Advanced synthetic lubricant for reciprocating air compressors	100	10.2	–	260	–39	988
Shell Corena S4 R 46	Advanced synthetic lubricant for rotary-screw and vane air compressors	46	8.0	–	235	–33	854
Shell Corena S4 R 68	Advanced synthetic lubricant for rotary-screw and vane air compressors	68	11.0	–	240	–33	859
REFRIGERATION COMPRESSORS							
Shell Refrigeration Oil S4 FR-F 32	Synthetic refrigerator lubricant for use with R134a and other HFC refrigerants	32	6.0	–	225	–54	1,018
Shell Refrigeration Oil S4 FR-F 68	Synthetic refrigerator lubricant for use with R134a and other HFC refrigerants	64	8.6	–	250	–42	990
Shell Refrigeration Oil S4 FR-F 100	Synthetic refrigerator lubricant for use with R134a and other HFC refrigerants	93	10.9	–	280	–42	990
Shell Refrigeration Oil S4 FR-V 32	Synthetic refrigerator lubricant for use with HCFC and ammonia refrigerants	30	4.2	–	180	–42	888
Shell Refrigeration Oil S4 FR-V 68	Synthetic refrigerator lubricant for use with HCFC and ammonia refrigerants	68	6.0	–	190	–42	871
Shell Refrigeration Oil S4 FR-V 100	Synthetic refrigerator lubricant for use with HCFC and ammonia refrigerants	107	7.2	–	200	–36	869
GAS COMPRESSORS							
Shell Gas Compressor Oil S4 PV 190	Advanced synthetic gas compressor oil	190	36.0	–	262	–30	1,056
STERN TUBES							
Shell Strombus MP	Emulsifiable stern tube oil	273	–	–	200	–5	900
BEARING AND CIRCULATION SYSTEMS							
Shell Morlina S2 B 150	Advanced bearing and circulating oil	150	15.0	–	262	–15	887
Shell Morlina S4 B 220	Synthetic high-performance anti-wear lubricant for bearings, enclosed gears and circulation systems	220	25.9	–	240	–48	853
Shell Morlina S4 B 320	Synthetic high-performance anti-wear lubricant for bearings, enclosed gears and circulation systems	320	33.8	–	270	–45	854
Shell Morlina S4 B 460	Synthetic high-performance anti-wear lubricant for bearings, enclosed gears and circulation systems	460	45.5	–	274	–42	859

PRODUCT NAME	PRODUCT DESCRIPTION	VISCOSITY, mm ² /s AT		BASE NUMBER, mg/KOH/g	FLASH POINT, °C	POUR POINT, °C	DENSITY, kg/m ³ AT 15°C
		40°C	100°C				
TURBINES							
Shell Turbo T 32	High-performance steam turbine oil	32	5.2	–	>215	<–12	871
Shell Turbo T 46	High-performance steam turbine oil	46	6.6	–	220	<–12	874
Shell Turbo T 68	High-performance steam turbine oil	68	8.5	–	240	<–9	871
Shell Turbo T 100	High-performance steam turbine oil	100	11.4	–	250	<–9	881
TRANSMISSIONS							
Shell Spirax S3 AX 80W-90	High-performance GL-5 axle oil for general applications	169	16.8	–	220	–30	900
Shell Spirax S4 ATF HDX	Advanced, synthetic technology, heavy-duty automatic transmission fluid	33	7.2	–	185	–48	847
Shell Spirax S4 TXM	Premium SAE 10W-30 universal transmission and hydraulic oil	60	9.4	–	220	–42	882
OTHER OILS AND FLUIDS							
Shell Nautilus Premium Outboard	High-performance engine oil for gasoline outboard motors	38	7.0	–	70	–35	871
Shell Heat Transfer Oil S2	High-performance heat transfer fluid	25	4.7	–	220	–12	866
PRODUCT NAME	PRODUCT DESCRIPTION	VISCOSITY, mm ² /s AT		NLGI	DROPPING POINT, °C		
		40°C	100°C				
GREASES							
Shell Gadus S2 A320 2	Highly water resistant, extreme-pressure grease for wire rope, open gears and other open deck grease requirements	320	16.5	2	85		
Shell Gadus S2 OG 40	High-performance open gear and wire rope grease	660	40.0	–	–		
Shell Gadus S2 OG 50	High-performance open gear and wire rope grease	870	50.0	–	–		
Shell Gadus S2 V100 3	General-purpose, anti-wear grease recommended for the lubrication of electric motor bearings	100	11.0	3	180		
Shell Gadus S2 V220 0	High-performance, multipurpose, extreme-pressure grease	220	19.0	0	–		
Shell Gadus S2 V220 1	High-performance, multipurpose, extreme-pressure grease	220	19.0	1	180		
Shell Gadus S2 V220 2	High-performance, multipurpose, extreme-pressure grease	220	19.0	2	180		
Shell Gadus S2 V220AC 2	High-performance, water-resistant, extreme-pressure grease	220	18.0	2	175		
Shell Gadus S2 V220AD 2	High-performance, heavy-duty grease containing solid lubricants	220	18.0	2	188		
Shell Gadus S3 High Speed Coupling Grease	Premium gear-coupling grease	700	34.0	0.5	>150		
Shell Gadus S3 T220 2	Ultimate-performance, extreme-pressure diurea grease	220	19.0	2	260		
Shell Gadus S3 V220C 2	Top-performance, high-temperature, extreme-pressure multipurpose grease	220	19.0	2	260		
Shell Gadus S5 V100 2	Advanced multipurpose grease	100	14.0	2	260		

VISCOSITY RANGE OF ISO VISCOSITY GRADES			
ISO viscosity grade	Viscosity range, mm ² /s (cSt) at 40°C	ISO viscosity grade	Viscosity range, mm ² /s (cSt) at 40°C
ISO VG 2	1.98–2.42	ISO VG 68	61.2–74.8
ISO VG 3	2.88–3.52	ISO VG 100	90–110
ISO VG 5	4.14–5.06	ISO VG 150	135–165
ISO VG 7	6.12–7.48	ISO VG 220	198–242
ISO VG 10	9.0–11.0	ISO VG 320	288–352
ISO VG 15	13.5–16.5	ISO VG 460	414–506
ISO VG 22	19.8–24.2	ISO VG 680	612–748
ISO VG 32	28.8–35.2	ISO VG 1000	900–1,100
ISO VG 46	41.4–50.6	ISO VG 1500	1,350–1,650

GREASE NLGI CLASSIFICATION	
NLGI consistency	Cone penetration (worked)
6	85–115
5	130–160
4	175–205
3	220–250
2	265–295
1	310–340
0	355–385
00	400–430
000	445–475



FIND OUT MORE

For more information on our products or their applications, please contact your Shell Marine Products representative or email to smp-marketing@shell.com.

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