




High Performance
Motorcycle Lubricants

 Made in the UK



High Performance Motorcycle Lubricants

Selecting the correct oil

Many 4 stroke motorcycles have shared engine and gearbox oil supply which necessitates the need for a lubricant to perform a specific role in lubricating the engine, whilst also ensuring precise clutch engagement with no slippage. There are many misconceptions regarding the suitability of products and which oils are able to perform effectively under these conditions. To say 'a synthetic oil will cause clutch slip' is simply incorrect and a proper synthetic motorcycle engine oil is the best possible product for most applications. Where the confusion has arisen in many cases is the use of incorrectly specified oils such as automotive lubricants being used in motorcycle applications.

All motorcyclists need to specify a motorcycle lubricant for their pride and joy, to not only ensure the bike runs smoothly without clutch issues, but also to ensure full power release. There is a specific motorcycle specification that ensures that a lubricant will perform effectively under all conditions and that is the JASO specification. In the case of 4 stroke engines please seek out JASO MA or MA2 to ensure clutch compatibility. JASO MA2 offers the highest performance levels of the JASO MA specification whilst also allowing catalyst compatibility for the very latest models which incorporate emission reduction equipment. All appropriate Rock products meet or exceed the specifications set out by JASO and in the case of the 4 stroke engine oils many also meet the very latest JASO MA2 specification.

Road



synthesis xrp extra power synthetic racing oil

JASO MA2/MA API SL SAE 5W-30

Developed with a leading superbike racing team, Synthesis XRP extra power is a ground breaking, fully synthetic racing lubricant. Tests on dynos have seen increases of up to 5% in peak power, whilst offering the highest levels of reliability and protection. It is developed from 'cutting edge' synthetic base stocks coupled with bespoke additive technology. It offers the ultimate in performance and protection for all high performance 4 stroke applications, both on the road and on the track.



synthesis 4 racing fully synthetic 4 stroke oil

JASO MA2/MA API SL SAE 15W-50

Winner of many British Championships during development, Synthesis 4 Racing is designed to protect in the extreme conditions of racing. It is developed from the most advanced synthetic base stocks (PAO & Ester) coupled with the latest additive technology to give outstanding benefits & performance. The ultra low volatility reduces consumption and stays in grade longer while phenomenal film strength and shear stability protect the engine. It can also be used where 10W50 or 15W50 is recommended.



synthesis fully synthetic motorcycle oil

JASO MA2/MA API SL
5W-40, 10W-40 & 10W-60
viscosities available

The Synthesis Motorcycle range are high performance fully synthetic motorcycle 4 stroke oils. Combining the purest synthetic base stocks with advanced additive technology to give outstanding performance, reduce wear and keep all engine components clean.



trm fully synthetic racing oil

JASO MA API SL SAE 20W-60

TRM is a specially formulated synthetic oil containing specially selected large molecule base fluids for use in engines with roller bearing crankshafts and V-engines. Its unique additive package guards against seizure and minimises camshaft and crankshaft wear, whilst the base fluids have the ability to handle extreme pressure and shock loadings. It offers superb thermal stability even at the extremely high temperatures generated by multi-cylinder racing engines. It can be used in both air and liquid cooled applications and is also a superb gear lubricant and is ideal for unit construction



Cutting edge lubrication developed and tested in the UK

Motorcycle lubricant selector available online



Road



guardian motorcycle

semi synthetic engine oil

JASO MA2/MA API SL

10W-30 & 10W-40 viscosities available

The Guardian Motorcycle range are premium semi-synthetic oils that have been developed to meet the exacting demands of the latest JASO MA2 specification. They offer superb performance levels with outstanding protection to all components and superior resistance to deposits and corrosion, resulting in extended engine/gearbox life and optimum performance. They pass the crucial clutch friction test to JASO MA2 standards, allowing safe, predictable use in wet clutch applications with reduced phosphorous levels for excellent catalyst compatibility.



sigma

semi synthetic engine oil

JASO MA API SL SAE 15W-50

Guardian Sigma is designed specifically to meet the exacting requirements of high performance motorcycles. It was developed after tests with Triumph Motorcycles to protect engines with an integrated gearbox, allowing wet clutches to operate, even under the most severe conditions. The benefits of using Sigma include: superb film strength, anti-wear capabilities, shear stability, maximum engine and gearbox protection.



motorcycle 10W-40

semi synthetic engine oil

JASO MA API SL SAE 10W-40

Motorcycle 10W40 is a semi-synthetic 4 stroke engine oil, which is suitable for modern high performance motorcycle engines. The advanced additive, high detergent formulation ensures maximum engine protection and superior resistance to deposits and corrosion, resulting in extended engine life and optimum performance. It passes the crucial clutch friction test required to meet the JASO MA specification which allows safe, predictable use in wet clutch applications.



gamma

mineral 4 stroke engine oil

JASO MA API SG

10W-40 & 20W-50 viscosities available

Rock Oil Gamma is a premium quality mineral, 4 stroke engine oil meeting the exacting demands of classic bikes and modern high performance motorcycle engines where a mineral oil is required. Gamma ensures maximum engine component protection and superior resistance to deposits and corrosion, resulting in extended engine life and optimum performance under the most arduous of conditions. It also passes the crucial clutch friction test required to meet the JASO MA specification, allowing safe, predictable use in wet clutches.



synthesis 2 racing

fully synthetic 2 stroke engine oil

JASO FD & FC ISO-L-EGD API TC

Synthesis 2 Racing is a full synthetic 2 stroke with full JASO FD and TISI approvals. The advanced synthetic base and additives in Synthesis 2 Racing help stop the problems of ring sticking, port blocking and cylinder wear. The phenomenal film and shear strength give exceptional bearing protection and the clean burning qualities maximise the power of the engine.



synthesis 2 injector

fully synthetic 2 stroke engine oil

JASO FD & FC ISO-L-EGD API TC TISI

Synthesis 2 Injector is a full synthetic 2 stroke lubricant for use in injector systems and can also be used as a pre-mix if required. It comes with full JASO and TISI approval. Features: Smokeless, Easy Mixing, Ultra Clean Burning, High Lubricity, High Shear Stability and excellent fluidity. It can be mixed with all other 2 stroke oils except castor based products and will not mix with methanol fuel.



pp2

semi synthetic 2 stroke engine oil

JASO FD ISO-L-EGD API TC TISI

PP2 is a high performance semi-synthetic 2 stroke oil. The low ash formulation results in super clean burning with minimum carbon build-up while releasing maximum power. Superior flow characteristics give accurate metering even under sharp throttle openings, offering peak performance and complete protection. PP2 may be used in all auto lube/oil injection systems and as a pre-mix with fuel.



road 2 stroke

engine oil

JASO FB API TC

Road 2 stroke has been developed to provide excellent protection, year round reliability and extreme film strength rarely seen in a mineral based oil. It is equally suitable for pre-mix or injection systems and is approved for all 2 stroke engines, whether liquid or air cooled.



Off Road



synthesis xrp off road

extra power fully
synthetic oil
JASO MA2/MA API SL
10W-40, 10W-50 & 10W-60
viscosities available

Synthesis XRP off road is developed from 'cutting edge' synthetic base stocks coupled with bespoke additive technology. It offers the ultimate in performance for both engine and gearbox for all high performance 4 stroke off road applications.



synthesis 2 racing off road

fully synthetic 2 stroke
engine oil
JASO FD & FC ISO-L-EGD API TC

Synthesis 2 Racing off road is a full synthetic 2 stroke with full JASO FD and TISI approvals. The advanced synthetic base and additives in Synthesis 2 Racing help stop the problems of ring sticking, port blocking and cylinder wear. The phenomenal film and shear strength give exceptional bearing protection and the clean burning qualities maximise the power of the engine.



strawberry trial 2

scented synthetic
pre-mix 2 stroke
JASO FD & FC ISO-L-EGD API TC

Strawberry Trial 2 is a technically enhanced synthetic lubricant for pre-mix systems. Produced in collaboration with leading factory trial teams. It has been designed to perform in today's demanding trial engines whether on tickover or maximum power. Strawberry Trial 2 provides a smooth, crisp response throughout the entire revolution range, creating a very linear power delivery.



k2 plus

2 stroke racing
pre-mix synthetic
JASO FD & FC ISO-L-EGD API TC

K2 Plus is a highly acclaimed synthetic 2 stroke pre-mix racing oil incorporating the most recent innovations in Rock Oil advanced additive technology. K2 Plus has been extensively tested under maximum load racing conditions and is suitable for all applications requiring a high quality pre-mix. K2 Plus is manufactured using a unique low ash, clean burning formula.



synthesis XRP gearbox

maximum performance
racing gearbox oil
JASO MA2/MA API SL/GL 1-3
SAE 5W-30/75W-85

Synthesis XRP Gearbox is a fully synthetic motorcycle gearbox oil which has been race-developed to give extra power and smoother quicker gear changes. This development, in conjunction with extensive field-tests, has resulted in a real breakthrough in performance with demonstrable enhancement in power, improved cooling and increased wear protection.



gro racing gearbox oil

SAE 10W-40/75W-90
GRO is a synthetic, advanced formulation, motorcycle gearbox oil covering the 10W40 or 75W90 viscosity range. Designed to reduce friction and protect over a wide temperature range, GRO can operate from as low as -30°C through to the heat of racing whilst affording maximum anti wear protection and correct clutch lubrication (where used with an oil immersed clutch). GRO is an ideal choice for modern compact high power, high load multi speed gearbox applications. GRO has excellent thermal stability & superior resistance to oxidation.



gear pro 75w

full synthetic
competition gearbox oil
API GL 4 SAE 75W

Gear Pro 75w is a high performance competition gearbox lubricant for trial motorcycles. Its full synthetic formulation provides excellent wear protection even in the most arduous conditions allowing for prolonged component life. It allows gearboxes to perform to their maximum and offers exceptionally smooth gear shifting. Gear Pro 75w is used by many leading race teams and was developed through Rock Oil's racing program.



lite gear oil lightweight gearbox oil

SAE 10W-30/75W-85

Lite Gear Oil is a unique, lightweight, high performance synthetic enhanced lubricant designed for use in sporting and competition transmissions where the primary drive, clutch and gearbox components require a high shock load resistance for optimum lubrication. It is suitable for both wet and dry clutch systems.



Scooter



city 4 plus

fully synthetic scooter 5W-40
JASO MA2/MA API SL SAE 5W-40

City 4 plus gives you all the advantages of the latest 4 Stroke racing technology, in scooter lubrication. City 4 plus offers the ultimate power and protection to today's high performance 4 stroke scooters even under the most severe conditions. Developed to give rapid circulation at cold start and complete protection at high operating temperature for all high performance 4 stroke scooters.



city 4

semi synthetic scooter 10W-40
JASO MA API SL SAE 10W-40

The increased performance together with higher operating temperatures of a modern 4 Stroke scooter engine has put more demands on the engine Lubricant. City 4 Scooter semi synthetic 10W-40 has been developed specially for Scooters to give maximum protection, with rapid circulation at cold start and complete protection at high temperatures even in the most extreme environments.



city 2 plus

fully synthetic scooter 2 stroke
JASO FD ISO-L-EGD

City 2 plus gives you all the advantages of the latest 2 stroke racing technology in scooter lubrication. City 2 plus offers the ultimate protection for today's high performance 2 stroke scooters even under the most severe conditions. The low ash formula offers major benefits including low smoke and high resistance to harmful pre-ignition, a severe problem in larger or more powerful scooters.



city 2

semi synthetic scooter 2 stroke
JASO FD ISO-L-EGD

City 2 Scooter provides superb protection for all 2 stroke scooter engines. The advanced semi-synthetic, low ash formulation results in super clean burning with minimum carbon build-up while releasing maximum power. Superior additives stop deposit build up and corrosion in the exhaust system caused by town riding.

Support



ST

straight gear oils
GL-1
SAE 30
SAE 90

Scoo Gear

full synthetic
API GL-5
SAE 75W-90



hypoid EP

gear oils
GL-4
SAE 80
SAE 80W-90
SAE 90

Hypoid EP Gear Oil is developed from the finest base stocks available combined with state-of-the-art extreme pressure (EP) additives for use in hypoid axles and gearbox applications. Hypoid EP Gear Oil is blended to the requirements of the API specification GL-4 making it especially suitable for automotive applications where EP oils are recommended.



kool XL

complete longlife
engine coolant

Kool XL is an ethylene glycol based ready to use engine coolant which employs Organic Acid Inhibitor Technology. It is pre-diluted (with de-ionised water) and should only be used as a complete engine coolant. It provides long lasting corrosion protection for a minimum of 5 years or 250,000km. It has excellent stability and very low inhibitor depletion. For optimum performance we recommend that prior to using Kool XL in systems previously filled with traditional coolant that the system is drained and flushed with clean water prior to filling with Kool XL.



kool

complete
engine coolant

Kool is equally suitable for racing or touring use as it not only helps maintain safe engine temperatures, but also inhibits corrosion whilst improving lubricity. It protects the radiator and water pump thus extending cooling system life expectancy. It offers total protection from -38°C to normal operating temperatures with improved heat transfer properties. It is pre-diluted (with de-ionised water) and should only be used as a complete engine coolant. It is an IAT (Inorganic Acid Technology) antifreeze and should not be mixed with other coolants.



Support



SVI suspension fluids

Available in 2.5, 5, 7.5, 10,
15, 20, 30 weights

SVI Suspension Fluids range are all fully compatible with each other and will mix with ease. Excellent anti-wear protection and a high resistance to water contamination and degradation. Excellent performance and longer service life, especially under extreme conditions of use such as racing.



racing castor engine oil

Racing Castor is a traditional straight vegetable oil of SAE 40 viscosity for use either in 2 stroke or 4 stroke lubrication. It meets the continuing demand for a traditional castor lubricant, preferred in speedway, grass track and vintage machines. Racing Castor is suitable for all total loss and recirculating systems on four stroke engines, and for use as a pre-mix for 2 stroke engines with either petroleum or methanol fuel.



dirtblaster high performance bio cleaner

Rock Oil Dirt Blaster is a unique motorsport biodegradable cleaner suitable for cleaning applications where the removal of dirt, sand, insects, oils and greases is required. It can be used on any hard surface and is safe to use on aluminium and paintwork. The unique scented formula offers the complete cleaning solution and can be used as part of a planned maintenance plan with other Rock Oil products. It is completely bio-degradable and non hazardous to the environment and may safely be disposed of to drain.



SOC engine cleaner/ degreasant

SOC is a solvent based product containing extra additives to improve its cleaning performance. It allows complete and rapid cleaning of most surfaces, from intricate engine parts to concrete garage floors.

Factory Filter Oil Range

A brand new range of filter lubricants developed and tested in the UK and used by multiple British Champions. All products available in 400ml aerosol and 950ml units



factory eco foam synthetic water washable air filter fluid

Factory Eco Foam is a synthetic water washable air filter fluid and has been developed to offer an easy to use high performance air filter lubricant. It is compatible with all foam air filters. Conventional air filter lubricants require a further cleaning product to remove the oil after use, incurring extra cost and time when preparing filters. Factory Eco Foam has removed this inconvenience meaning cleaning and preparing filters is quick and easy. It is a non-mineral, water soluble fluid that can be safely washed away down drains.



factory foam air filter fluid

Factory Foam air filter oil is the finest protection your engine can have against the ingress of airborne debris. It will not only protect from debris entering through the filter but is also highly resistant to emulsification in cold and wet conditions. It allows superior airflow needed to provide top performance from your engine.



factory foam kleen air filter cleaner

Rock Oil Factory Foam Kleen is designed for the serious motocross rider and is to be used in conjunction with Factory Foam air filter oil. It is a superior high performance foam air filter cleaner.

Rock Oil has vast racing and motorsport experience enjoying many British & World Championship successes, ensuring that they are at the forefront of lubrication technology.



Cutting edge lubrication developed and tested in the UK

Motorcycle lubricant selector available online



Support



chain lube
for o-ring , x-ring &
standard chains



chain wax
for o-ring , x-ring &
standard chains



**silicone
bike shine**
for all motorcycles



carb kleen
for all fuel systems



rockeze
maintenance spray



brake kleen
non chlorinated



kontakt kleen
electrical contact
cleaner



synthesis XRP
fuel enhancer



brake fluids
dot 4
dot 5.1
racing brake fluid

**non silicone bike wax
soc spray
protector silicone spray
copper anti-seize spray
motorcycle wipes
wheel kleen
white spray grease
mineral clutch fluid
workshop lubricants
classic mono-grades
general greases**

Rock Oil motorcycle products are available in a variety of size options from 110ml (certain products) right up to 210 litre barrels and bulk delivery.

There is comprehensive technical and marketing support available, along with a complete range of Rock Oil branded promotional merchandise.



Cutting edge lubrication developed and tested in the UK

Motorcycle lubricant selector available online






High Performance Motorcycle Lubricants

Tai Woffinden - World Speedway Champion



Photo courtesy of Jeff Davies

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