Sparex Lubricants
Product Range

Sparex are proud to introduce a comprehensive range of high quality lubricants and greases, blended using base oil and additive packages from the largest suppliers in the world. This range is designed to suit the stringent OEM warranty demands of a wide variety of agricultural, industrial, off-highway, horticultural and commercial machinery applications.

- Engine Lubricants
- Horticultural Lubricants
- Agricultural Lubricants
- Automatic Transmission Fluids
- Hydraulic Lubricants
- High Performance Greases
- Gear Lubricants
- Ancillary Products

As you will discover in this brochure, Sparex has introduced a substantial and comprehensive product range of OEM approved lubricants suitable for Engine, Transmission, Hydraulic and Gear applications complimented with a full range of ancillary products including Greases, Antifreeze, Cleaning Fluids and much, much more.

This comprehensive range will suit many industries and businesses.

We at Sparex pride ourselves in providing a first class service to all our new and existing customers and with this exciting product range introduction we are confident that we can further enhance your business requirements.
Sparex Extremol 10W/40 Engine Oil

A fully synthetic heavy duty diesel engine oil, formulated using advanced Group III base oil technology and enhanced additive systems for use in heavy duty diesel engines in severe on and off-highway applications. It may be used in both Euro IV and Euro V engines where a mid SAPS product is required (sulphated ash, phosphorous and sulphur). Developed to maximise the life of the particulate trap filter, it is backwards compatible and therefore may also be used in older engines.

Performance Features
Sparex Extremol 10W/40 Engine Oil has been developed for use in heavy duty diesel engines and offers the following performance profile:

- Mid SAPS technology, ensuring protection of the exhaust after-treatment system
- Excellent anti-wear protection
- Rust and corrosion protection
- Effective control of soot, sludge and piston deposits
- Excellent oxidation and thermal stability
- Extended drain capability

Meet the following performance specifications:

- ACEA E9-08 Issue 2 (2010)
- API CI-4
- API CI-4 PLUS
- API CI-4
- API CH-4
- API 5M
- API 5N
- MB-Approval 228.31
- MAN 3575
- MTU Type 2.1
- Volvo VDS-3

Sparex Eurofleet 15W/40 Engine Oil

A high quality crankcase lubricant, suitable for use in high output; turbo charged, supercharged and normally aspirated four stroke diesel and petrol engines.

This grade is manufactured from high viscosity index paraffinic base oils, compounded with the latest additives.

Performance Features:

- A detergent dispersant property, which helps to keep deposits on pistons and rings to a minimum
- Anti-wear characteristics to reduce scuffing and wear of piston rings, bores and valve train components
- Antioxidant to increase the oxidation stability of the oil during use
- Anti-corrosion to give protection against rust and corrosion
- Pour - point depressant to maintain fluidity of the oil at low temperatures

Meet the following performance specifications:

- ACEA E9-08 Issue 2 (2010)
- ACEA E5-02 (2002)
- API CI-4
- API CH-4
- API CG-4
- API CF-4
- API CF
- API SL
- MB-Approval 228.3
- MB-Approval 229.1
- MAN 3275

Sparex Enduro 15W/40 Engine Oil

Designed with the primary function of lubricating moving parts to minimise friction and wear. In addition, this grade oil will also meet the following requirements:

- Keeps the engine clean and free of rust
- Prevents corrosion of bearings
- Acts as a coolant
- Traps contaminants to be carried in suspension until oil is drained

Performance Features
Sparex Enduro15W/40 Engine Oil has been developed to meet the most diverse and demanding service requirements and is formulated using the strongest additive technology, the most shear stable viscosity modifiers and virgin base stocks.

Sparex Engine Oil 15W/40 Engine Oil provides:

- Improved engine durability providing reduced repair costs
- Longer oil drain intervals, providing lower maintenance costs
- Proven engine and piston cleanliness allowing for clean burning engines with improved fuel economy
- Constant protection against corrosion and rusting of engine components

Meet the following performance specifications:

- ACEA E7-08 (2008)
- ACEA E5-02 (2002)
- API CI-4
- API CH-4
- API CG-4
- API CF-4
- API CF
- API SL
- MB-Approval 228.3
- MB-Approval 229.1
- MAN 3275
- TBN 9.2
- Volvo VDS 2 (15W/40 only)
- ACEA E2 (2007)

Size

- S.105851 5L
- S.105852 20L
- S.105853 200L

Size

- S.105854 5L
- S.105855 20L
- S.105856 200L

Size

- S.105857 5L
- S.105858 20L
- S.105859 200L

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A semi synthetic supreme universal farm lubricant for use in most diesel engines including turbo charged, it is also designed for use in transmission and final drives, including oil immersed brakes and integral hydraulic systems.

As well as its engine oil performance it also incorporates additives to meet the requirements of the gear oil specification MIL-L2105, API GL4 but is not recommended for use as a replacement for systems requiring S.A.E. 90 or S.A.E. 140 grade, because of the viscosity difference.

Sparex Supreme Universal Tractor Oil 10W/40 Lubricant is approved by Massey Ferguson to MF CMS M1144 and MF CMS M1145 specifications and is judged to meet the following specifications and performance levels:

<table>
<thead>
<tr>
<th>Size</th>
<th>容积</th>
</tr>
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<tbody>
<tr>
<td>S.105866</td>
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<tr>
<td>S.105867</td>
<td>20L</td>
</tr>
<tr>
<td>S.105868</td>
<td>200L</td>
</tr>
</tbody>
</table>

SUTO Specifications:
- MF CMS M1139
- Ford M2C-1598/C
- John Deere JDM J27
- ZF TE-ML 068, 06D; 07B

UTO Specifications:
- John Deere J20 A&C
- John Deere J20 B&D
- Ford M2C 86A/B and 134C/D
- MF CMS M1143, M1127 and M1143
- Case-IH MS 1207 (Supersedes MS 1206 and International Harvester B6)

Gear/Transmission Performance:
- API GL-4
- Allison C4
- Cat TO-2
- CLS low speed/light torque (L37) with broken-in gears

Engine Performance:
- API CF-4
- MIL-L-4652B
- MIL-L-2104D
- CCMC D4/G2
- MB 227.1/228.1
- Man 271
- Ford M2C-121B
- Mack EO-K

Hydraulic/Compressor Specifications:
- Vickers Hydraulics
- Denison HFO
- Holman Compair
- Hydrovane Compressors
- Atlas Copco Compressors

Funnel Kit
For our complete range of Funnel go to www.sparex.com.

S.23843 Funnel Kit comprising one of each S.6390, S.6392 & S.27380

Oil drain Can
- Supplied with long reach flexible nozzle for safe, clean oil disposal

S.2563 Capacity ltrs. 7
Sparex Supreme Universal Tractor Oil 10W/30

A supreme universal farm lubricant for use in most diesel engines including turbo charged, it is also designed for use in transmission and final drives, including oil immersed brakes and integral hydraulic systems.

As well as its engine oil performance it also incorporates additives to meet the requirements of the gear oil specification MIL-L2105, API GL4 but is not recommended for use as a replacement for systems requiring S.A.E. 90 or S.A.E. 140 grade, because of the viscosity difference.

Sparex Supreme Universal Tractor Oil 10W/30 is approved by Massey Ferguson to MF CMS M1144 and MF CMS M1145 specifications and is judged to meet the following specifications and performance levels:

**SUTO Specifications:**
- MF CMS M1139
- Ford M2C-159B/C
- John Deere JDM J27
- ZF TE-ML 068, 06D; 07B

**UTTO Specifications:**
- John Deere J20A & C, J20B & D
- Ford M2C 86A/B and 134CD
- MF CMS M1135 and M1127 and M1143
- Case IH MS 1207 (Supersedes MS 1206 and International Harvester B6)

**Gear/Transmission Performance:**
- API GL-4
- Allison C4
- Cat TO-2
- GL5 low speed/high torque (L37) with broken-in gears

**Engine Performance:**
- API CE/5F
- API CF-4
- MIL-L-4652B
- MIL-L-2104D
- CCMC D4/G2
- MB 227.1/228.1
- Man 271
- Ford M2C-121B
- Mack EO-K

**Hydraulic/Compressor Specifications:**
- Vickers Hydraulics
- Denison HFO
- Holman Compair
- Hydrovane Compressors
- Atlas Copco Compressors

Sparex Super Universal Tractor Oil 15W/30

A super universal farm lubricant for use in most diesel engines including turbo charged, it is also designed for use in transmission and final drive, including oil immersed brakes and integral hydraulic systems.

As well as its engine oil performance, this grade also incorporates additives to meet the requirements of the gear oil specification MIL-L2105, API GL4 but is not recommended for use as a replacement for systems requiring S.A.E. 90 or S.A.E. 140 grade, because of the viscosity difference.

Meets the following performance specifications:

**SUTO Specifications:**
- Massey Ferguson M1139
- Ford M2C-159B/C
- John Deere JDM J27
- ZF TE-ML 06; 07;

**UTTO Specifications:**
- John Deere J20 A & C
- Ford M2C 86A/B and 134C/D
- Massey Ferguson M1135 and M1127
- Case IH MS 1207 (Supersedes MS 1206 and International Harvester B6)

**Gear/Transmission Performance:**
- API GL-4
- Allison C4
- Cat TO-2
- GL5 low speed/high torque (L37) with broken-in gears

**Engine Performance:**
- API CE/5F
- API CF-4
- MIL-L-4652B
- MIL-L-2104D
- CCMC D4/G2
- MB 227.1/228.1
- Man 271
- Ford M2C-121B
- Mack EO-K
- API CH4/ACEA E5 level soot control

**Hydraulic/Compressor Specifications:**
- Vickers Hydraulics
- Denison HFO
- Holman Compair
- Hydrovane Compressors
- Atlas Copco Compressors
**Sparex Universal Tractor Transmission Oil**

Specially formulated for use as a multi-purpose fluid that satisfies the ardent hydraulic, transmission and wet brake demands of modern agricultural tractors.

Sparex Universal Tractor Transmission Oil can be recommended for use in tractors calling for the following:

**UTTO specifications:**
- John Deere J20A & C, J20B & D
- Ford M2C B6AB and 134C/D
- MF CMS M1135 and M1127 and M1143
- Case-IH MS 1207 (Supersedes MS 1206 and International Harvester B6)

**Gear/Transmission Performance:**
- API GL-4
- Allison C4
- Cat TO-2
- GLS low speed/high torque (L37) with broken-in gears

<table>
<thead>
<tr>
<th>Size</th>
<th>S.105869 5L</th>
<th>S.105870 20L</th>
<th>S.105871 200L</th>
</tr>
</thead>
</table>

**Sparex TT Tractor Transmission Oil**

Sparex TT Tractor Transmission Oil has been specially formulated for use as a multi-purpose, hydraulic, transmission and wet brake fluid for agricultural tractors where lower viscosity is important.

Sparex TT Tractor Transmission Oil is specifically produced to be suitable for use in tractors where the following specifications are required.

**Equipment Manufacturers:**
- Case - IH MS1207/1209
- Allison C-4
- New Holland M2C410C

**Rotary Pump**

- Manually operated rotary pump for use on barrels and water tanks
- Handle rotates through 360°
- 12 turns/gallon (4.546 Litres)
- Pump Working Ø: 340mm (13 3/8")
- Suction Tube Length: 1m (39")
- Suction Tube I.D.: 29mm
- Normal Suction Lift: 3m (10') Max
- Outlet Pipe: Ø 3/4" (19mm)

**Jugs**

For our complete range of Jugs go to www.sparex.com.

**The ‘Supa Mover’ Drum Pump**

- Fast and efficient portable Dispensing Pump. Can be used with most types of barrels or container. Suitable for oils, paraffin, anti freeze or similar non corrosive liquids
- For drums up to 205 Litre capacity
- Output 0.5 Litres/Stroke
- Fittings 3/4" BSP & 2 1/4" UNF
- Tube length 87cm (34")

**Filters**

See www.sparex.com for our comprehensive range of transmission and hydraulic filters.

**Tractor Parts > Filters**

**ADD THESE**

For our complete range of Jugs go to www.sparex.com.

**For our complete range of Filters go to www.sparex.com.**

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Sparex Premium Automatic Transmission Fluid (ATF) D3

An automatic transmission fluid blended with high quality mineral oils. This grade has superior performance in terms of frictional characteristics, seal compatibility, oxidation stability, low temperature fluidity and resistance to high temperatures encountered during severe operating conditions. This grade will mix with mineral oil and synthetic-based automatic transmission fluids.

Sparex Premium ATF D3 is recommended for use in a range of applications where a product of this quality is specified.

This product is designed to meet the performance requirements of General Motors DEXRON®-III and MERCON®.

Sparex Premium ATF D3 Specifications:
- GM DEXRON®-IIIIG
- VOITH H55.6335.XX
- Sundstrand
- Ford MERCON®
- Caterpillar TO-2
- Renk
- Allison C-4
- MAN 339 Type V-1
- Sperry Vickers Hydraulic Pump Performance
- ZF TE-ML09
- Denison

Sparex SyntoGear TDL 80W/90

Specifically developed as a Total Driveline Solution that can be used to lubricate both manual transmissions and axles. This grade is manufactured using high viscosity index paraffinic base oils and various additives to give the required product. Sparex Syntogear TDL 80W/90 oil will allow drain intervals to be extended in many cases to 160,000km (subject to OEM approval).

Sparex TDL Gear 80W/90 meets the following specifications:
- MIL-PRF-2105E
- SAE J2360
- API GL4
- API GL5
- API MT-1
- MB-Approval 235.0
- MAN M 3343 Type M
- Mack GO-J
- Scania STO 1:0
- ZF TE-ML 02B
- ZF TE-ML 05A
- ZF TE-ML 07A
- ZF TE-ML 08
- ZF TE-ML 12E
- ZF TE-ML 16B
- ZF TE-ML 16C
- ZF TE-ML 16D
- ZF TE-ML 17B
- ZF TE-ML 19B1
- ARVIN MERITOR 0-76-N
- Volvo 97310

Sparex Syntogear 80W/90 is suitable for the following OEM's:
- DAF (Where API GLS or MIL-PRF-2105E axle lubricants are recommended for use)
- IVECO (Where MIL-PRF-2105E axle lubricants are recommended for use)
- RENAULT (in accordance with Renault note technique 800332/2 annex 3)

Sparex Gearlube HD EP 80W/90

Manufactured using high viscosity index paraffinic base oils and various additives to produce a heavy-duty, extreme pressure product. This grade has a high level of extreme pressure (EP) additive that provides effective gear protection over a range of temperatures and shock load conditions.

Sparex HD EP 80W/90 also protects components from rust and corrosion.

Sparex Syntogear TDL 80W/90 Specifications:
- DEXRON® - II
- MERCON®
- VOITH 55.6335.XX
- Daimler Chrysler 236.5 & 236.1
- ZF TE-ML 03D
- ZF TE-ML 04D
- ZF TE-ML 09
- ZF TE-ML 11A
- ZF TE-ML 14A
- ZF TE-ML 17C
- REIN
- CAT TO-2
- MAN 339 Type V-1
- MAN 339 Type Z-1
**Sparex Premium HV46 Hydraulic Oil**

Ideal for hydraulic systems subjected to the very extremes of operating conditions and temperatures. It is rust, corrosion and oxidation inhibited and provides excellent anti-wear and extreme pressure properties providing protection against wear in the most demanding of systems. Additionally, it is treated with an anti-foam additive to control foam and facilitate rapid air release, ensuring correct hydraulic function and meet the stringent filterability requirements of modern machines and robotics.

For end users of hydraulic equipment this high standard of performance means protection of their equipment against the damaging effects of water, contamination, longer service between filter or fluid replacement, excellent anti-wear, anti-rust performance and a more reliable system in operation.

**Sparex HV46 Hydraulic Oil meets, or exceeds the requirements for industrial and mobile hydraulic systems which call for:**
- Vickers Product, Eaton Brochure 694 (formerly Vickers 1-286-S, M-2950-S)
- Parker Denison HF-0 (formerly Denison HF-1, HF-2, HF-0)
- ISO 11158 (replaced AFNOR spec)
- MAG IAS, LLC (formerly Cincinnati Milacron P-68, P-69 and P-70)
- DIN 51524, part 3
- US Steel 136, 127
- General Motors LS 2 LH series
- Poclain Hydraulics Installation
- Guide Hydraulic Motors 15/12/2010 HV category
- Poclain P00032-43A, P00032-79V, P00032-42Z

**Sparex Super Hydraulic Oil - Available in ISO 32 & 46**

Incorporates characteristics that give:
- Protection against oxidation, anti-wear properties to reduce the wear occurring in all moving parts
- Rust inhibitor treatment to help reduce the detrimental effects of water contamination
- Low foaming to prevent inadequate lubrication and potential pump damage
- Good demulsibility characteristics allowing quick separation from water helping to prevent rust
- Excellent hydrolytic stability to protect equipment from corrosion in the presence of water
- Extreme thermal stability

Sparex Super Hydraulic Oil helps reduce the formation of sludge and varnish which can lead to unexpected downtime.

These products meet or exceed the requirements for industrial and mobile hydraulic systems which call for:
- Denison HF-0, HF-1, HF-2
- Vickers I-286-S and M-2950-S
- Cincinnati Machines P-68, P-69, P-70
- US Steel 127, 136
- DIN 51524, Part 2
- General Motors LH-04-1, LH-06-1, LH-15-1
- Sauer Danfoss
- Rexroth
- Bosch, variable vane pumps
- Commercial Hydraulics
- AFNOR NFE 48-690 (dry)
- AFNOR NFE 48-691 (wet)

For end users of hydraulic equipment this high standard of performance means protection of their equipment against the damaging effects of water, contamination, and longer service between filter and fluid replacement, excellent anti-wear, anti-rust performance and a more reliable system in operation.

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**Gear Oil Pump**

- Designed for use with high viscosity oils, agricultural chemicals, Adblue, water based media, detergents, soaps, antifreeze, windshield washer, hydraulic oils, herbicides, pesticides, urea etc.
- Built-in 2" bung adaptor allows the pump to be fixed on drums with a 2" opening
- Complete with suction tube suitable for 50-205 litre drums & 2 metre flexible corrugated discharge hose

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**Syphon Pump**

- Designed to pump a full range of engine and gear oils which are contained in steel or plastic 20/25 litre containers
- Steel nozzle to fit directly into vehicle gearbox or transmission
- Built-in 2" bung adaptor allows the pump to be fixed on drums with a 2" opening
- Complete with suction tube suitable for 50-205 litre drums & 2 metre flexible corrugated discharge hose

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**TRY THESE**

**Sparex Premium HV46 Hydraulic Oil**

- **Grade**: S.105891
  - **Size**: HM32
  - **Grade**: S.105894
  - **Size**: HM46

**Sparex Super Hydraulic Oil - Available in ISO 32 & 46**

- **Grade**: S.105891
  - **Size**: 5L
  - **Grade**: S.105892
  - **Size**: 20L
  - **Grade**: S.105893
  - **Size**: 200L

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**Sparex Lawnmower Oil 10W/30**

A high quality horticultural lubricant, specifically formulated for use in many normally aspirated four stroke diesel and petrol engines.

Sparex Lawnmower 10W/30 oil is manufactured from high viscosity index paraffinic base oils, compounded with additives which impart:

- A detergent dispersant property, which helps to keep deposits on pistons and rings to a minimum
- Anti-wear characteristics to reduce scuffing and wear of piston rings, bores and valve train components
- Antioxidant to increase the oxidation stability of the oil during use
- Anti-corrosion to give protection against rust and corrosion
- Pour-point depressant to maintain fluidity of the oil at low temperatures

Sparex Lawnmower oil 10W/30 meets or exceeds the requirements of the following specification:

<table>
<thead>
<tr>
<th>API CF/SH</th>
<th>Size</th>
</tr>
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<tbody>
<tr>
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<td>S.105919</td>
<td>5L</td>
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<tr>
<td>S.105920</td>
<td>20L</td>
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</tbody>
</table>

**Sparex Lawnmower Oil 30**

A high quality crankcase lubricant, suitable for use in high output, turbo charged, supercharged and normally aspirated four stroke diesel and petrol engines.

This grade is manufactured from high viscosity index and paraffinic base oils, compounded with additives which impart:

- A detergent dispersant property, which helps to keep deposits on pistons and rings to a minimum
- Anti-wear characteristics to reduce scuffing and wear of piston rings, bores and valve train components
- Antioxidant to increase the oxidation stability of the oil during use
- Anti-corrosion to give protection against rust and corrosion
- Pour-point depressant to maintain fluidity of the oil at low temperatures

The additive treatment used in Sparex Lawnmower 30 meets or exceeds the requirements of the following specifications:

<table>
<thead>
<tr>
<th>API CF/SH</th>
<th>Size</th>
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<td>5L</td>
</tr>
<tr>
<td>S.105923</td>
<td>20L</td>
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</tbody>
</table>

**Sparex Chain Oil**

Manufactured from high quality Paraffinic base oils incorporating tackiness & Anti-Flow additive. It is specially formulated to give good retention of lubrication to the chain of all makes of chain saws.

Sparex Chain Oil can be used in the machines automatic lubricator or used with an oil can as per the chainsaw manufacturers’ recommendations.

<table>
<thead>
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<th>Size</th>
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<tbody>
<tr>
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<td>5L</td>
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<tr>
<td>S.105926</td>
<td>20L</td>
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</tbody>
</table>

**Sparex Two Stroke Easy Mix**

A low ash, zinc free formulation for use in Two-Stroke power tools and motorcycle applications.

It has excellent thermal stability and is especially suitable for use in high temperature applications such as high performance air-cooled engines and small out-boards where a low ash product is acceptable.

Sparex Two Stroke Easy Mix is recommended for:

- Pre-mixing with the fuel or for separate metered systems
- Provides outstanding high temperature deposit control in air-cooled engines
- Should be used at the dilution rate recommended by the equipment manufacturer

Meets the requirements of the following specifications:

<table>
<thead>
<tr>
<th>ISO-L-EGC</th>
<th>JASO FC</th>
<th>JASO FD</th>
<th>ISO-L-EGD</th>
<th>API TC</th>
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</tbody>
</table>

**Sparex Chain Oil**

Manufactured from high quality Paraffinic base oils incorporating tackiness & Anti-Flow additive. It is specially formulated to give good retention of lubrication to the chain of all makes of chain saws.

Sparex Chain Oil can be used in the machines automatic lubricator or used with an oil can as per the chainsaw manufacturers’ recommendations.

**Metal Jerry Cans**

- Tough, high resistance to impact
- Safe for transport of flammable or harmful fluids
- Non galvanised interior suitable for diesel fuel

<table>
<thead>
<tr>
<th>Capacity ltrs.</th>
<th>Black</th>
<th>Green</th>
<th>Red</th>
</tr>
</thead>
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<tr>
<td>10</td>
<td>S.21696</td>
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<tr>
<td>20</td>
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<td>S.21693</td>
<td>S.21695</td>
</tr>
</tbody>
</table>

**Fluid Extractor**

Fluid Extractor (6.5 litre). For use with oils & other fluids from lawnmowers, cars, vans & most small engines. No AC/DC power requirement. Automatically extracts liquid after several pumps & easy disposal of fluids.

- Clean and easy to use, an oil change without removing the sump plug
- Automatically extracts liquid after several pumps
- Automatic cut-out, cannot overfill
- Easy disposal of fluids
- No AC/DC power requirement
- Three sizes of extracting tubes for fitting into dipstick hole
- Capacity: 6.5 litres

<table>
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</thead>
<tbody>
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<td>S.18203</td>
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</table>

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Sparex Lithium Complex Grease

A premium quality grease for lubricating all anti-friction and plain bearings for use in industrial and automotive applications. This highly adhesive grease has shown exceptional performance providing extended lubrication intervals, even under arduous conditions and over wide operation temperature range.

Features:
- Exceptional mechanical stability performance giving a wide operating temperature range of -20 to 150°C continuous and up to 180°C for short bursts
- Excellent oxidation stability provides lasting lubrication at high temperatures
- Good load carrying properties
- Good corrosion resistance protects components operating in wet conditions
- Good oil separation
- Good pumpability
- Impact resistance
- Compatible with other greases

Applications
Sparex Lithium Complex Grease has been developed for use in wheel and other bearings and as a multi-purpose grease for cars, vans, trucks, buses, coaches and construction plant such as bulldozers, scrapers, loading shovels and dump trucks where it will give outstanding performance. It is also recommended for use in industrial equipment operating at high temperatures.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

<table>
<thead>
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<td>S.105903 400g</td>
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<tr>
<td>S.105904 12.5kg</td>
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</tbody>
</table>

Sparex Lithium Molly Grease

A premium quality multi-purpose grease for use in all anti-friction and plain bearings subjected to high load conditions. Used extensively for applications throughout industry and the automotive sector.

Features:
- Good mechanical stability
- Good resistance to shock loads
- Good water separation
- Good oxidation stability
- Overcomes boundary lubrication conditions
- Wide temperature range (-20 to 120°C continuous and 140°C short periods)
- Good load carrying properties
- Good water resistance
- Compatibility with other greases

This lubricant can be used in extreme conditions where boundary lubrication may cause wear and vibration may occur.

Applications
Sparex Lithium Molly Grease is specially formulated for use in industrial equipment, cars, vans, trucks and construction plant such as bulldozers, scrapers, loading shovels and dump trucks where it will give superior performance, in all industrial plain and rolling element bearings. It is particularly recommended for constant velocity joints and fifth wheel lubrication. It is particularly effective where movements are small or intermittent and where fretting corrosion is a problem.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105907 400g</td>
<td></td>
</tr>
<tr>
<td>S.105908 12.5kg</td>
<td></td>
</tr>
</tbody>
</table>

Sparex Lithium EP2 Multi-Purpose Grease

A premium quality grease for use in all anti-friction and plain bearings subjected to high shock load and vibration conditions. They are used extensively for applications throughout industry and the automotive sector.

Features:
- Good mechanical stability
- Wide temperature range (-20 to 130°C)
- Good resistance to oil separation
- Good water resistance
- Excellent load carrying properties
- Good resistance to shock loads
- Excellent oxidation stability
- Good pumpability properties
- Compatibility with other Lithium soap greases

Applications
This multi-purpose grease is highly recommended for all automotive use where a multi-purpose grease is required for wheel bearings and chassis lubrication. This grease is particularly suited for the lubrication of construction and mining equipment such as bulldozers, scrapers, loading shovels and all off-highway trucks where grease components are subjected to continuous heavy loads and shock loads.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105905 400g</td>
<td></td>
</tr>
<tr>
<td>S.105906 12.5kg</td>
<td></td>
</tr>
</tbody>
</table>

Sparex EP0 Semi-Fluid Grease

A premium quality grease prepared from refined base oils and lithium hydroxy stearate soap thickener. This grease contains oil soluble EP additives to provide protection against seizure under highly loaded service conditions. The grease also contains additives to inhibit oxidation and rust. This grade is particularly suited for use in industrial equipment and in some automotive gear boxes.

Features:
- Compatibility with other Lithium soap greases
- Good pumpability properties
- Excellent oxidation stability
- Excellent load carrying properties
- Good water resistance
- Good resistance to oil separation
- Wide temperature range (-20 to 130°C)
- Good mechanical stability
- Good water separation
- Good oil separation
- Impact resistance
- Compatibility with other greases

Applications
This grease is particularly suited to use in industrial equipment and in some automotive gear boxes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105909 12.5kg</td>
<td></td>
</tr>
</tbody>
</table>

Premium Quality Grease Guns

For our complete range of Grease Guns and Accessories go to www.sparex.com.
### Sparex Traffic Film Remover

A high quality degreasing detergent containing a blend of surface active agents, sequestering agents, alkali builders and rinse aid. Specifically designed for the exterior cleaning of commercial vehicles.

- Removes traffic film, oil and grease
- Suitable for most cleaning operations using hot or cold water
- None caustic formulation

**Solidification Point:**

1 part Antifreeze / 1 part water - <-45ºC
1 part Antifreeze / 2 part water - <-23ºC

**Size**

- **S.105910** 5L
- **S.105911** 20L

### Sparex Brake Fluid DOT 4

Brake & Clutch Fluid is made from high molecular weight polyalkylene glycol ethers and polyalkylene glycol ether borates, to give a high boiling point fluid of DOT 4 quality. The product is blended with special additives that prevent fluid oxidation, rust and the swelling of the piston seals used in conventional brake systems.

Exceeds the performance requirements of SAE J1703, and the FMVSS No. 116 Dot 4 specifications.

**Size**

- **S.105912** 1L
- **S.105913** 5L

### Sparex Universal Antifreeze MEG

Will protect cooling systems from frost damage right down to -45°C

This Ethylene Glycol based antifreeze is blended with inhibitors designed to give a high degree of corrosion and rust protection to all parts of the engine cooling systems, and is therefore recommended for all year round use.

**Solidification Point:**

1 part Antifreeze / 1 part water - <-45ºC
1 part Antifreeze / 2 part water - <-23ºC

**Size**

- **S.105900** 5L
- **S.105901** 20L
- **S.105902** 200L

### Sparex Milking Machine Oil

A high quality vacuum pump oil specially developed for use in milking machines. This oil is formulated from specially selected highly refined mineral oils. Milking machine reliability is of the utmost importance in dairy management and therefore this product has been designed to impart good lubricating characteristics.

This oil incorporates a red dye in order to make it more easily visible in the machine sight gauge.

**Size**

- **S.105910** 5L
- **S.105911** 20L

### Antifreeze Tester

- Supplied boxed
- With glass tube, rubber bulb and spout

**Size**

- **S.14479**

### Antifreeze Tester - Professional

- Fast and accurate readings at all temperatures
- For ethylene glycol coolants
- Large, easy to read scale
- Hydro-static fluid-lock
- Temperature compensated twin-rotor measuring unit
- Inflow duct avoids bubble formation

**Size**

- **S.38903**

### Oil Cans

<table>
<thead>
<tr>
<th>Material Capacity</th>
<th>Tube Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S.3805</strong> Metal 0.56</td>
<td>Supplied with Rigid Tube</td>
</tr>
<tr>
<td><strong>S.3806</strong> Metal 0.56</td>
<td>Supplied with Flexible Tube</td>
</tr>
<tr>
<td><strong>S.14287</strong> Plastic 0.5</td>
<td>Supplied with Flexible &amp; Rigid Tube</td>
</tr>
<tr>
<td><strong>S.4350</strong> - -</td>
<td>Flexible Tube</td>
</tr>
<tr>
<td><strong>S.4351</strong> - -</td>
<td>Rigid Tube</td>
</tr>
</tbody>
</table>
### Engine Lubricants

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Viscosity</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105851</td>
<td>10W/40</td>
<td>5L</td>
<td>Extremol</td>
</tr>
<tr>
<td>S.105852</td>
<td>10W/40</td>
<td>20L</td>
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<tr>
<td>S.105853</td>
<td>10W/40</td>
<td>200L</td>
<td>Extremol</td>
</tr>
<tr>
<td>S.105854</td>
<td>15W/40</td>
<td>5L</td>
<td>Enduro</td>
</tr>
<tr>
<td>S.105855</td>
<td>15W/40</td>
<td>20L</td>
<td>Enduro</td>
</tr>
<tr>
<td>S.105856</td>
<td>15W/40</td>
<td>200L</td>
<td>Enduro</td>
</tr>
<tr>
<td>S.105857</td>
<td>15W/40</td>
<td>5L</td>
<td>Eurofleet</td>
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<tr>
<td>S.105858</td>
<td>15W/40</td>
<td>20L</td>
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</tr>
<tr>
<td>S.105859</td>
<td>15W/40</td>
<td>200L</td>
<td>Eurofleet</td>
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</table>

### Agricultural Lubricants

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Viscosity</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105860</td>
<td>10W/30</td>
<td>5L</td>
<td>Supreme Universal Tractor Oil (SUTO)</td>
</tr>
<tr>
<td>S.105861</td>
<td>10W/30</td>
<td>20L</td>
<td>Supreme Universal Tractor Oil (SUTO)</td>
</tr>
<tr>
<td>S.105862</td>
<td>10W/30</td>
<td>200L</td>
<td>Supreme Universal Tractor Oil (SUTO)</td>
</tr>
<tr>
<td>S.105863</td>
<td>15W/30</td>
<td>5L</td>
<td>Super Universal Tractor Oil</td>
</tr>
<tr>
<td>S.105864</td>
<td>15W/30</td>
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<tr>
<td>S.105865</td>
<td>10W/40</td>
<td>30L</td>
<td>Super Universal Tractor Oil</td>
</tr>
<tr>
<td>S.105866</td>
<td>10W/40</td>
<td>5L</td>
<td>Super Universal Tractor Oil</td>
</tr>
<tr>
<td>S.105867</td>
<td>10W/40</td>
<td>20L</td>
<td>Super Universal Tractor Oil</td>
</tr>
<tr>
<td>S.105868</td>
<td>10W/40</td>
<td>200L</td>
<td>Super Universal Tractor Oil</td>
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</tbody>
</table>

### Transmission Lubricants

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Viscosity</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105869</td>
<td>WBTO</td>
<td>5L</td>
<td>Universal Tractor Transmission Oil (UTTO)</td>
</tr>
<tr>
<td>S.105870</td>
<td>WBTO</td>
<td>20L</td>
<td>Universal Tractor Transmission Oil (UTTO)</td>
</tr>
<tr>
<td>S.105871</td>
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<td>200L</td>
<td>Universal Tractor Transmission Oil (UTTO)</td>
</tr>
<tr>
<td>S.105872</td>
<td>TT</td>
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<td>TT Tractor Transmission Oil</td>
</tr>
<tr>
<td>S.105873</td>
<td>TT</td>
<td>20L</td>
<td>TT Tractor Transmission Oil</td>
</tr>
<tr>
<td>S.105874</td>
<td>TT</td>
<td>200L</td>
<td>TT Tractor Transmission Oil</td>
</tr>
</tbody>
</table>

### Gear & Transmission Lubricants

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Viscosity</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105875</td>
<td>D2</td>
<td>1L</td>
<td>Super Automatic Transmission Fluid (ATF)</td>
</tr>
<tr>
<td>S.105876</td>
<td>D2</td>
<td>5L</td>
<td>Super Automatic Transmission Fluid (ATF)</td>
</tr>
<tr>
<td>S.105877</td>
<td>D2</td>
<td>20L</td>
<td>Super Automatic Transmission Fluid (ATF)</td>
</tr>
<tr>
<td>S.105878</td>
<td>D2</td>
<td>200L</td>
<td>Super Automatic Transmission Fluid (ATF)</td>
</tr>
<tr>
<td>S.105883</td>
<td>80W/90</td>
<td>1L</td>
<td>SyntoGear TDL Gear Oil</td>
</tr>
<tr>
<td>S.105884</td>
<td>80W/90</td>
<td>5L</td>
<td>SyntoGear TDL Gear Oil</td>
</tr>
<tr>
<td>S.105885</td>
<td>80W/90</td>
<td>20L</td>
<td>SyntoGear TDL Gear Oil</td>
</tr>
<tr>
<td>S.105886</td>
<td>80W/90</td>
<td>200L</td>
<td>SyntoGear TDL Gear Oil</td>
</tr>
<tr>
<td>S.105893</td>
<td>80W/90</td>
<td>1L</td>
<td>Gearlube HD EP</td>
</tr>
<tr>
<td>S.105894</td>
<td>80W/90</td>
<td>5L</td>
<td>Gearlube HD EP</td>
</tr>
<tr>
<td>S.105895</td>
<td>80W/90</td>
<td>20L</td>
<td>Gearlube HD EP</td>
</tr>
<tr>
<td>S.105896</td>
<td>80W/90</td>
<td>200L</td>
<td>Gearlube HD EP</td>
</tr>
</tbody>
</table>

### Hydraulic Oil

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Viscosity</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105891</td>
<td>HM32</td>
<td>5L</td>
<td>Super Hydraulic Oil Premium</td>
</tr>
<tr>
<td>S.105892</td>
<td>HM32</td>
<td>20L</td>
<td>Super Hydraulic Oil Premium</td>
</tr>
<tr>
<td>S.105893</td>
<td>HM32</td>
<td>200L</td>
<td>Super Hydraulic Oil Premium</td>
</tr>
<tr>
<td>S.105894</td>
<td>HM46</td>
<td>5L</td>
<td>Super Hydraulic Oil 46 Premium</td>
</tr>
<tr>
<td>S.105895</td>
<td>HM46</td>
<td>20L</td>
<td>Super Hydraulic Oil 46 Premium</td>
</tr>
<tr>
<td>S.105896</td>
<td>HM46</td>
<td>200L</td>
<td>Super Hydraulic Oil 46 Premium</td>
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</tbody>
</table>

### Horticultural Lubricants

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Viscosity</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105918</td>
<td>10W/30</td>
<td>1L</td>
<td>Lawnmower Oil</td>
</tr>
<tr>
<td>S.105919</td>
<td>10W/30</td>
<td>5L</td>
<td>Lawnmower Oil</td>
</tr>
<tr>
<td>S.105920</td>
<td>10W/30</td>
<td>20L</td>
<td>Lawnmower Oil</td>
</tr>
<tr>
<td>S.105921</td>
<td>30</td>
<td>1L</td>
<td>Lawnmower Oil</td>
</tr>
<tr>
<td>S.105922</td>
<td>30</td>
<td>5L</td>
<td>Lawnmower Oil</td>
</tr>
<tr>
<td>S.105923</td>
<td>30</td>
<td>20L</td>
<td>Lawnmower Oil</td>
</tr>
<tr>
<td>S.105924</td>
<td>-</td>
<td>1L</td>
<td>2 Stroke Easy Mix</td>
</tr>
<tr>
<td>S.105925</td>
<td>-</td>
<td>5L</td>
<td>2 Stroke Easy Mix</td>
</tr>
<tr>
<td>S.105926</td>
<td>-</td>
<td>20L</td>
<td>2 Stroke Easy Mix</td>
</tr>
</tbody>
</table>

### High Performance Grease

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105903</td>
<td>400g</td>
<td>Lithium Complex Grease</td>
</tr>
<tr>
<td>S.105904</td>
<td>12.5kg</td>
<td>Lithium Complex Grease</td>
</tr>
<tr>
<td>S.105905</td>
<td>-</td>
<td>Lithium EP2 MP Grease</td>
</tr>
<tr>
<td>S.105906</td>
<td>-</td>
<td>Lithium EP2 MP Grease</td>
</tr>
<tr>
<td>S.105907</td>
<td>400g</td>
<td>Lithium Moly Grease</td>
</tr>
<tr>
<td>S.105908</td>
<td>12.5kg</td>
<td>Lithium Moly Grease</td>
</tr>
<tr>
<td>S.105909</td>
<td>-</td>
<td>EP0 Semi-fluid 4000EP Grease</td>
</tr>
<tr>
<td>S.105910</td>
<td>-</td>
<td>EP0 Semi-fluid 4000EP Grease</td>
</tr>
</tbody>
</table>

### Ancillary Lubricants & Products

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.105912</td>
<td>1L</td>
<td>Brake fluid-DOT 4</td>
</tr>
<tr>
<td>S.105913</td>
<td>5L</td>
<td>Brake fluid-DOT 4</td>
</tr>
<tr>
<td>S.105914</td>
<td>1L</td>
<td>Mineral Brake fluid-LHM</td>
</tr>
<tr>
<td>S.105915</td>
<td>-</td>
<td>5L Milky Fluid Oil</td>
</tr>
<tr>
<td>S.105916</td>
<td>-</td>
<td>20L Milky Fluid Oil</td>
</tr>
<tr>
<td>S.105917</td>
<td>-</td>
<td>200L Milky Fluid Oil</td>
</tr>
<tr>
<td>S.105900</td>
<td>-</td>
<td>Universal Antifreeze MEG</td>
</tr>
<tr>
<td>S.105901</td>
<td>-</td>
<td>Universal Antifreeze MEG</td>
</tr>
<tr>
<td>S.105902</td>
<td>-</td>
<td>Universal Antifreeze MEG</td>
</tr>
</tbody>
</table>
Pricing
Due to the volatile market nature of the raw materials used in this product range prices are quoted as requested. Pricing can be obtained from your Sparex Area Sales Manager, Sparex sales office or www.sparex.com.

Cross Reference
If you are unsure of which Sparex lubricant product is needed for your application our dedicated sales team can assist you with cross reference information.

HALLMARK OF QUALITY
The premium UK manufacturer of Sparex lubricants are accredited with the British Standard EN ISO 9001:2000. This ensures that the entire manufacturing and distribution processes meet the highest standard and provides assurance that the way we do business is recognised as good practice.

BESPOKE REQUESTS
We will help with all your individual requirements, no matter how large or small.
If you have a specific request, our helpful and friendly staff are just a phone call/email away.

QUALITY MATERIALS
Only the highest specification raw materials are used in the manufacture of the Sparex lubricant range.

ACEA 2008 European Oil Sequences for Service-Fill Oils

<table>
<thead>
<tr>
<th>ACEA Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1/B1</td>
<td>Stable, stay-in-grade oil intended for use at extended drain intervals in petrol engines and car &amp; light van diesel engines specifically designed to be capable of using low friction, low viscosity oils with a high temperature / high shear rate viscosity of 2.6 mPa*s for xW/20 and 2.9 to 3.5 mPa.s for all other viscosity grades. These oils are unsuitable for use in some engines. Consult owner manual or handbook if in doubt.</td>
</tr>
<tr>
<td>A3/B3</td>
<td>Stable, stay-in-grade oil intended for use in high performance petrol engines and car &amp; light van diesel engines and/or for extended drain intervals where specified by the engine manufacturer, and/or for year-round use of low viscosity oils, and/or for severe operating conditions as defined by the engine manufacturer.</td>
</tr>
<tr>
<td>A3/B4</td>
<td>Stable, stay-in-grade oil intended for use in high performance petrol and direct injection diesel engines, but also suitable for applications described under A3/B3.</td>
</tr>
<tr>
<td>A5/B5</td>
<td>Stable, stay-in-grade oil intended for use at extended drain intervals in high performance petrol engines and car &amp; light van diesel engines designed to be capable of using low friction low viscosity oils with a High Temperature / High shear rate (HTHS) viscosity of 2.9 to 3.5 mPa.s. These oils are unsuitable for use in some engines. Consult owner manual or handbook if in doubt.</td>
</tr>
</tbody>
</table>

C: Catalyst compatibility oils
- C1: Stable, stay-in-grade oil intended for use as catalyst compatible oil in vehicles with DPF and TWC in high performance car and light van diesel and petrol engines requiring low friction, low viscosity, low SAPS oils with a minimum HTHS viscosity of 2.9 mPa.s. These oils will increase the DPF and TWC life and maintain the vehicles fuel economy.
- C2: Stable, stay-in-grade oil intended for use as catalyst compatible oil in vehicles with DPF and TWC in high performance car and light van diesel and petrol engines designed to be capable of using low friction, low viscosity oils with a minimum HTHS viscosity of 2.9 mPa.s. These oils will increase the DPF and TWC life and maintain the vehicles fuel economy.
- C3: Stable, stay-in-grade oil intended for use as catalyst compatible oil in vehicles with DPF and TWC in high performance car and light van diesel and petrol engines, with a minimum HTHS viscosity of 3.5 mPa.s. These oils will increase the DPF and TWC life.
- C4: Stable, stay-in-grade oil intended for use as catalyst compatible oil in vehicles with DPF and TWC in high performance car and light van diesel and petrol engines requiring low SAPS oil with a minimum HTHS viscosity of 3.5 mPa.s. These oils will increase the DPF and TWC life.

E: Heavy Duty Diesel engine oils
- E4: Stable, stay-in-grade oil providing excellent control of piston cleanliness, wear, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission requirements and running under very severe conditions, e.g. significantly extended oil drain intervals according to the manufacturer's recommendations. It is suitable for engines without particulate filters, for some EGR engines and some engines fitted with SCR NOx reduction systems. However recommendations may differ between engine manufacturers, so Operator Manuals and/or Dealers should be consulted if in doubt.
- E6: Stable, stay-in-grade oil providing excellent control of piston cleanliness, wear, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission requirements and running under very severe conditions, e.g. significantly extended oil drain intervals according to the manufacturer's recommendations. It is suitable for EGR engines, with or without particulate filters, and for engines fitted with SCR NOx reduction systems. E6 quality is strongly recommended for engines fitted with particulate filters and is designed for use in combination with low sulphur diesel fuel. However, recommendations may differ between engine manufacturers so Drivers Manuals and/or Dealers should be consulted if in doubt.

SAPS: Sulphated Ash, Phosphorus, Sulphur

DPF: Diesel Particulate Filters
TWC: Three Way Catalyst
HTHS: High Temperature/High Shear Rate Viscosity

Where claims are made that Oil Performance meets the requirements of the ACEA sequences (e.g. Product literature, packaging, labels) they must specify the ACEA Class and Category (see Nomenclature & ACEA Process for Definitions).

NOTE: Recommendations may differ between engine manufacturers, so please contact our Technical Department on all specifications above.
### API Lubrication Specifications Diesel Engines

<table>
<thead>
<tr>
<th>Category</th>
<th>Status</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ-4</td>
<td>Current</td>
<td>Introduced in 2006. For high-speed, four-stroke engines designed to meet 2007 on-highway exhaust emission standards. CJ-4 oils are specifically compounded for use with diesel fuels ranging in sulphur content up to 500ppm (0.5% weight). However, use of these oils with greater than 15ppm sulphur may impact exhaust after treatment system durability and/or oil drain intervals. CJ-4 oils are effective at sustaining emission control system durability where particulate filters and other advanced after treatment systems are used. CJ-4 oils exceed the performance criteria of CF-4, C-4 and AH-4.</td>
</tr>
<tr>
<td>CI-4</td>
<td>Current</td>
<td>Introduced in 2002. For high-speed, four-stroke engines designed to meet 2004 exhaust emission standards implemented in 2002. CI-4 oils are formulated to sustain engine durability where exhaust gas recirculation (EGR) is used and are intended for use with diesel fuels ranging in sulphur content up to 0.5% weight. Can be used in place of CD, CE, CF-4, CG-4, and CH-4 oils. Some CI-4 oils may also qualify for the CI-4 PLUS designation.</td>
</tr>
<tr>
<td>CH-4</td>
<td>Current</td>
<td>Introduced in 1998. For high-speed, four-stroke engines designed to meet 1998 exhaust emission standards. CH-4 oils are specifically compounded for use with diesel fuels ranging in sulphur content up to 0.5% weight. Can be used in place of CD, CE, and CG-4 oils.</td>
</tr>
<tr>
<td>CG-4</td>
<td>Current</td>
<td>Introduced in 1995. For severe duty, high-speed, four-stroke standards. Can be used in place of CD, CE and CF-4 oils.</td>
</tr>
<tr>
<td>CF-4</td>
<td>Current</td>
<td>Introduced in 1990. For high-speed, four-stroke, Naturally aspirated and turbocharged engines. Can be used in place of CD and CE oils.</td>
</tr>
<tr>
<td>CF-2</td>
<td>Current</td>
<td>Introduced in 1994. For severe duty, two-stroke-cycle engines. Can be used in place of CD-II oils.</td>
</tr>
<tr>
<td>CF</td>
<td>Current</td>
<td>Introduced in 1994. For off-road, indirect-injected and other diesel engines including those using fuel with over 0.5% weight sulphur. Can be used in place of CD oils.</td>
</tr>
<tr>
<td>CE</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td>CD</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td>CC</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td>CA</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
</tbody>
</table>

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**Rechargeable Grease Gun 12V**

- Max Operating Pressure: 6500PSI
- Grease Reservoir Capacity: 400cc Cartridge
- Hose Length: 75cm
- Battery Charge Time: 1hr Quick Charge
- Additional battery included

**S.24588**

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**Grease Guns**

For our complete range of Grease Guns and Accessories go to [www.sparex.com](http://www.sparex.com).

Accessories > Workshop > Lubrication

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These parts are Sparex parts and are not manufactured by the Original Equipment Manufacturer. Original Manufacturer’s name, part numbers and descriptions are quoted for reference purposes only and are not intended to indicate or suggest that our replacement parts are made by the OEM.
### API Lubrication Specifications Petrol (Gasoline) Engines

<table>
<thead>
<tr>
<th>Category</th>
<th>Status</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM</td>
<td>Current</td>
<td>For all automotive engines currently in use. Introduced November 30, 2004. SM oils are designed to provide improved oxidation resistance, improved deposit protection, better low-temperature performance over the life of the oil. Some SM oils may also meet the latest ILSAC specification and/or qualify as Energy Conserving.</td>
</tr>
<tr>
<td>SL</td>
<td>Current</td>
<td>For 2004 and older automotive engines.</td>
</tr>
<tr>
<td>SJ</td>
<td>Current</td>
<td>For 2001 and older automotive engines.</td>
</tr>
<tr>
<td>SH</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 1996 and older engines. Valid when preceded by current C categories.</td>
</tr>
<tr>
<td>SG</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 1993 and older engines.</td>
</tr>
<tr>
<td>SF</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 1988 and older engines.</td>
</tr>
<tr>
<td>SE</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAUTION - NOT suitable for use in petrol (gasoline) powered automotive engines built after 1979.</td>
</tr>
<tr>
<td>SD</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAUTION - NOT suitable for use in petrol (gasoline) powered automotive engines built after 1971. Use in more modern engines may cause unsatisfactory performance or equipment harm.</td>
</tr>
<tr>
<td>SC</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAUTION - NOT suitable for use in petrol (gasoline) powered automotive engines built after 1967. Use in more modern engines may cause unsatisfactory performance or equipment harm.</td>
</tr>
<tr>
<td>SB</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAUTION - NOT suitable for use in petrol (gasoline) powered automotive engines built after 1963. Use in more modern engines may cause unsatisfactory performance or equipment harm.</td>
</tr>
<tr>
<td>SA</td>
<td>Obsolete designation</td>
<td>Contact technical Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAUTION - Contains no additives. Not suitable for use in petrol (gasoline) powered automotive engines built after 1930. Use in modern engines may cause unsatisfactory engine performance or equipment harm.</td>
</tr>
</tbody>
</table>

### API Transmission Lubricant Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>GL-5</td>
<td>Oil with high EP (Extreme Pressure) additives equivalent to MIL-L-2105D specification.</td>
<td>Hypoid gear wheels under very heavy stress.</td>
</tr>
<tr>
<td>GL-2</td>
<td>Oils containing greasy materials</td>
<td>Industrial transmissions for worm screws.</td>
</tr>
<tr>
<td>GL-1</td>
<td>Pure mineral oils</td>
<td>Tractors and commercial vehicle manual transmissions. None EP</td>
</tr>
</tbody>
</table>
Lubricants

- Engine Lubricants
- Horticultural Lubricants
- Agricultural Lubricants
- Automatic Transmission Fluids
- Hydraulic Lubricants
- High Performance Greases
- Gear Lubricants
- Ancillary Products