

A JOHN DEERE COMPANY



WIRTGEN GROUP

Original WIRTGEN GROUP **LUBRICANTS**


CLOSE TO OUR CUSTOMERS

KEEP IT RUNNING ORIGINAL WIRTGEN GROUP LUBRICANTS



SUITABLE FOR THE
FIRST FILLING WITHOUT
RESTRICTION AND
PERFECTLY MATCHED
TO YOUR MACHINE.





FILLING OR LUBRICATING YOUR MACHINE WITH A LUBRICANT WHICH IS SPECIFICALLY MATCHED TO YOUR APPLICATION IS CRITICAL FOR THE SERVICE LIFE OF THE OPERATIONAL PARTS IN COMBUSTION ENGINES, HYDRAULIC COMPONENTS, GEAR UNITS AND BEARINGS.

WIRTGEN GROUP LUBRICANTS MEET THESE REQUIREMENTS PERFECTLY AND ARE OPTIMISED FOR YOUR WIRTGEN GROUP MACHINE.

THE BEST CHOICE FOR ENSURING THE EFFECTIVENESS OF YOUR MACHINE AND REDUCING MAINTENANCE COSTS LONG-TERM!

> **WIRTGEN GROUP
ENGINE OILS:**
For a high-perfor-
mance engine

> **WIRTGEN GROUP
HYDRAULIC OILS:**
For efficient power
transmission

> **WIRTGEN GROUP
GEAR OILS:**
To protect your
gearbox and keep it
running smoothly



**ANY QUESTIONS?
CONTACT OUR EXPERTS
ON THE SUBJECT.**

> www.partsandmore.net

> **WIRTGEN GROUP
LUBRICATING GREASES:**
For reliable lubrication
of your components

To maintain the value of your machine **ORIGINAL WIRTGEN GROUP LUBRICANTS**

COMPATIBLE WITH YOUR FIRST FILLING

The use of the wrong lubricant can quickly lead to the failure of important and costly machine components. Our WIRTGEN GROUP lubricants are suitable for your first filling without restriction.

Refer to the instruction manual or our online service at www.partsandmore.net for information on which oil has to be used for your machine.

OPTIMISED FOR YOUR WIRTGEN GROUP MACHINES

We know the needs of your machine in detail. Our lubricants and filters are therefore perfectly matched to them – for optimum interaction.

ENSURE MAXIMUM MACHINE LIFE

Our WIRTGEN GROUP lubricants provide the ideal protection from wear and prevent corrosion. They thus contribute considerably to a reduction in your maintenance costs and protect your machines long-term.

USE FOR THE ENTIRE MACHINE POOL

Genuine WIRTGEN GROUP lubricants are also approved for many machines from other manufacturers. You will find details on the following pages.

> IT'S GOOD FOR YOUR MACHINE



| ENGINE OILS | | |
|---|---|---|
| Designation | Properties | Specifications / approvals |
| WIRTGEN GROUP Engine Oil 15W-40 | <p>Mineral oil based multigrade engine oil</p> <p>Use on markets in which fuel with a higher sulphur content is used (for example India, China, Africa, South America).</p> <p>Suitable for engines up to and including Tier 3 without exhaust aftertreatment.</p> | <p>ACEA: E3, E5, E7 API: CI-4, CH-4, CG-4, CF-4, CF, SL</p> <p>CNH: MAT 3520 Global: DHD-1 JASO: DH-1 Caterpillar: ECF-2, ECF-1-A Cummins: CES 20078, 77, 76, 75, 72, 71 Detroit: DDC 93K215 Deutz: DQC III-10 IVECO: T1 Mack: EO-M+, EO-M MAN: M3275-1 Mercedes Benz: 228.3 MTU: Type 2 Renault: RLD-2 Volvo: VDS-3</p> <p>Suitable for Euro 5 and older engines without diesel particle filter.</p> |
| WIRTGEN GROUP Engine Oil 10W-40 | <p>Synthetic low-friction engine oil for the longest oil change intervals</p> <p>Use on markets in which fuel with a higher sulphur content is used (for example India, China, Africa, South America).</p> <p>Suitable for engines up to and including Tier 3 without exhaust aftertreatment.</p> | <p>ACEA: E4, E7 API: CI-4</p> <p>JASO: DH-1 Caterpillar: ECF-2 Cummins: CES 20078 Deutz: DQC IV-10 IVECO: T3 E4 MAN: 3377 Mercedes Benz: 228.5 MTU: Type 3 Renault: RLD-2 Volvo: VDS-3</p> <p>Suitable for EURO 3 and older engines. Meets the emissions requirements of most European engine manufacturers for Euro 4 and Euro 5 without diesel particle filter.</p> |
| WIRTGEN GROUP Engine Oil Low SAPS 15W-40 | <p>Mineral oil based engine oil with high-grade base oil</p> <p>Complies with the viscosity requirements of all WIRTGEN GROUP machines with Cummins engines.</p> <p>Use on markets on which fuel with low sulphur content is used (for example Europe).</p> <p>Suitable for engines up to and including Tier 4 with exhaust aftertreatment.</p> | <p>ACEA: E9, E7 API: CJ-4, CI-4+, CI-4, CH-4, CG-4, CF-4, CF</p> <p>CNH: MAT 3521, 3522 JASO: DH-2 Caterpillar: ECF-3, ECF-2 Cummins: CES 20081, 77, 72, 71 DDC: 93K218 Deutz: DQC III-10 LA IVECO: T2 E7 Renault: RLD-3 Mack: EO-O Premium Plus MAN: M3575 Mercedes Benz: 228.31 MTU: Type 2.1 Volvo: VDS-4, VDS-3</p> <p>Suitable for the latest Euro 5 and US-2007 engines.</p> |

| ENGINE OILS | | |
|--|--|--|
| Designation | Properties | Specifications / approvals |
| WIRTTGEN GROUP Engine Oil Low SAPS 10W-40 | <p>Synthetic low-friction engine oil with a comprehensive performance range</p> <p>Fuel savings of up to 1 % compared to a 15W-40 are possible.</p> <p>Use on markets on which fuel with low sulphur content is used (for example Europe).</p> <p>Suitable for engines up to and including Tier 4 with exhaust aftertreatment.</p> | <p>ACEA: E9, E6 API: CJ-4, CI-4, CH-4, CG-4, CF-4, CF</p> <p>JASO: DH-2 Caterpillar: ECF-3 Cummins: CES 20081 DAF: ACEA E6 Deutz: DQC IV-10 LA IVECO: NG2 Mack: EO-O Premium Plus MAN: M3477, M3271-1 Mercedes Benz: 228.51 MTU: Type 3.1 Renault: RLD-3 Scania: Low Ash Volvo: VDS-4</p> <p>Suitable for current Euro 6 engine generations and older engines.</p> |

| COOLANTS | |
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| Designation | Properties |
| WIRTTGEN GROUP Antifreezing Compound | WIRTTGEN GROUP coolant for protection against corrosion, over-heating and frost (do not use for 09WR (WR 200i) or for KLEEMANN machines). |
| WIRTTGEN GROUP Antifreezing Compound MB | WIRTTGEN GROUP coolant for protection against corrosion, over-heating and frost for Mercedes Benz diesel engines installed in 09WR (WR 200i) machines. |
| WIRTTGEN GROUP Antifreezing Compound KLEEMANN | WIRTTGEN GROUP coolant for protection against corrosion, over-heating and frost for KLEEMANN machines. |



| HYDRAULIC OILS | | |
|---|--|--|
| Designation | Properties | Specifications / approvals |
| WIRTGEN GROUP Clutch Fluid HLP 32 | Hydraulic oil for use in KLEEMANN clutches Suitable for low temperatures (subpolar zone). | DIN 51524 part 2 HLP type for Clutch Fluid HLP 32 / part 3 HVLP type for HVLP 32-68 ISO 11158 (HM) for Clutch Fluid HLP 32 / (HV) for HVLP 32-68 ASTM 6158-05 (HM) for Clutch Fluid HLP 32 / (HV) for HVLP Bosch Rexroth RD 90220-01 (2011), ISO 22-100 for Clutch Fluid HLP 32, ISO 22-46 for HVLP 32 / ISO 32-68 for HVLP 46 and 68 Denison hydraulik systems (HF-0, HF-1, HF-2) Eaton Vickers (brochure 694) Fives Cincinnati P-68 (ISO 32) for Clutch Fluid HLP 32 and HVLP 32 / P-70 (ISO 46) for HVLP 46 / P-69 (ISO 68) for HVLP 68 GB 111181-1-94 (HM) for Clutch Fluid HLP 32 / (HV) for HVLP Swedish Standard SS 15 54 34 AM |
| WIRTGEN GROUP Hydraulic Oil HVLP 32 | Multigrade hydraulic oil Suitable for low temperatures (subpolar zone). | |
| WIRTGEN GROUP Hydraulic Oil HVLP 46 | Multigrade hydraulic oil Suitable for moderate temperatures. | |
| WIRTGEN GROUP Hydraulic Oil HVLP 68 | Multigrade hydraulic oil Suitable for high temperatures (subtropics, tropics). | |

| BIO HYDRAULIC OILS | | |
|--|--|---|
| Designation | Properties | Specifications / approvals |
| WIRTGEN GROUP Bio Hydraulic Oil HVLP 46 | Biodegradable multigrade hydraulic oil Suitable for moderate temperatures. | ISO 15380 HEES ISO 12922 HFDU MSHA (Mine Safety and Health Administration) for the WIRTGEN GROUP Bio Hydraulic Oil HVLP 68 VDMA 24568 synthetic esters German positive list of biodegradable lubricants Dutch MIA / VAMIL environment list for the WIRTGEN GROUP Bio Hydraulic Oil HVLP 46 and HVLP 68 Eaton Vickers products for mobile and industrial systems (compliant as per brochure 03-401-2010) Ecolabel for lubricants of the European Union Ecolabel license UK / 27 / 004 Factory Mutual approved Swedish Standard (SS) 15 54 34, SP-listed USDA BioPreferred Program |
| WIRTGEN GROUP Bio Hydraulic Oil HVLP 68 | Biodegradable multigrade hydraulic oil Suitable for high temperatures (subtropics, tropics). As a flame-resistant hydraulic oil it meets the requirements of the Emscher approval (MSHA) and is thus suitable for underground use. | |

| GEAR OILS | | |
|---|---|---|
| Designation | Properties | Specifications / approvals |
| WIRTGEN GROUP Gear Oil 85W-90 | Mineral oil based axle gear oil for WIRTGEN advance drives. | API GL-5 MAN 342 type M1 MB approval 235.0 Volvo 97310 US military MIL-L-2105B ZF TE-ML 16C, 17B, 19B, 21A |
| WIRTGEN GROUP Multi Gear Oil VG 150 | Mineral oil based industrial gear oil for KLEEMANN cone crushers. The EP additives (extreme pressure) ensure an extremely good wear protection. | DIN 51517 - part 3 (CLP) ISO 12925-1 type CKD AGMA 9005 - EO2 Fives Cincinnati P-77 for VG 150 respectively P-74 for VG 220 |
| WIRTGEN GROUP Multi Gear Oil VG 220 | | |
| WIRTGEN GROUP Special Gear Oil | <p>Special all-synthetic multigrade gear oil for VÖGELE pump distributor gear units and advance drives, HAMM vibratory bearings and KLEEMANN advance drives.</p> <p>It has a very good cold start performance and provides extremely good wear protection (for example for bearings, gear wheels) and is therefore above all suitable for high load applications.</p> | API GL-5, MT-1 DAF Iveco 18-1805 (extended oil change intervals) Mack GO-J MAN 342 type S1, 341 GA-2 Meritor 076-N, Meritor (EU) extended oil change intervals SAE J 2360 (PRI GL 0582) Scania STO 2:0 A FS Scania STO 2:0 G US military MIL-PRF-2105E (outdated) Volvo 97312 ZF TE-ML 05B, 12L, 12N, 16F, 17B, 19C, 21B |
| WIRTGEN GROUP Special Gear Oil Roller Drum Drive | <p>Special all-synthetic multi-grade gear oil for HAMM drum drives.</p> <p>It has a very good cold start performance and provides extremely good wear protection (for example for bearings, gear wheels) and is therefore above all suitable for high load applications.</p> | API GL-5, MT-1 Scania STO 2:0 A |
| WIRTGEN GROUP High-Performance Gear Oil PGLP 150 | Exclusive all-synthetic gear oil designed for heavy-duty use in WIRTGEN milling drum gearboxes. The high wettability of the lubricant makes for good adhesion to gear wheels and thus ensures good protection from wear. | DIN 51517-3 (CLP) Approval by Bonfiglioli |
| WIRTGEN GROUP High-Performance Gear Oil PGLP 220 | Exclusive all-synthetic gear oil designed for heavy-duty use in WIRTGEN milling drum gearboxes and KLEEMANN belt and bevel gearboxes. The high wettability of the lubricant makes for good adhesion to gear wheels and thus ensures good protection from wear. | |
| WIRTGEN GROUP High-Performance Gear Oil PGLP 460 | Exclusive all-synthetic gear oil designed for heavy-duty use in WIRTGEN hot recyclers and S-Pack binding agent dosing units. The high wettability of the lubricant makes for good adhesion to gear wheels and thus ensures good protection from wear. | |

| LUBRICATING GREASES | | |
|---|---|---|
| Designation | Properties | Specifications / approvals |
| WIRTGEN GROUP Multipurpose Moly Grease | Mineral oil based grease for lubricating bearings with heavy loads respectively impact loads in damp, unfavourable conditions. Suitable for lubrication points with mixed friction, rough surfaces, and as assembly grease (for example link pins, wheel bearings). Not suitable for ball bearings or polished surfaces. Application temperature from -25 °C to +120 °C. | DIN 51825 / 51826: KPF2K-20 |
| WIRTGEN GROUP High-Performance Grease | Mineral oil based lithium complex grease with good wear protection. For use, for example, on clutches and WIRTGEN remixer. Wide application temperature range from -20 °C to +150 °C (multigrade grease). | DIN 51825 / 51826: KP2N-20 ASTM D4950-07 GC-LB SEB 18 12 53 |
| WIRTGEN GROUP Friction and Roller Bearing Grease | High-performance polyurea grease with extreme pressure resistance and good wear protection. For lubrication of VÖGELE rolling bearings and sliding bearings with high thermal loads. Wide application temperature range from -25 °C to +180 °C (multigrade grease). | DIN 51825 / 51826: KP2R-30 |
| WIRTGEN GROUP Cone Moly Grease | Highly viscous lithium complex grease for lubrication in KLEEMANN cone crushers. Molybdenum disulphide (MoS ₂) grease. For slow-turning bearings and bolts with high loads. Not suitable for ball bearings or polished surfaces. Application temperature from -20 °C to +150 °C. | DIN 51502: KPF2P-30 |
| WIRTGEN GROUP High-Performance Grease KLEEMANN | Grease for KLEEMANN screen mounts. | DIN 51825 / 51826: KPHC 2N-30 |
| WIRTGEN GROUP Drum Bearing Grease | Exclusive grease for lubricating HAMM drum bearings. Extremely resistant to temperature and pressure. | DIN 51502 KP2K-30 |
| WIRTGEN GROUP Drive Bearing Grease | Special high-performance grease for use in HAMM drive bearings. Extremely resistant to pressure and water-repellent. | DIN 51502 KP2K-20 |
| WIRTGEN GROUP Telescoping Tube Grease | Special high-performance grease based on silicone for use on VÖGELE telescoping tubes. | |
| WIRTGEN GROUP Low-Viscosity Grease | Thermally stable, high-performance low-viscosity grease with exceptional wear-resistance properties for VÖGELE auger drives. | |
| WIRTGEN GROUP Quick-Change Toolholder Grease | Lubricating grease for WIRTGEN quick-change toolholders. | |

| MISCELLANEOUS | |
|---|--|
| Designation | Properties |
| WIRTGEN GROUP Asphalt Anti Stick | Perfect solution for HAMM rubber and combined wheel rollers: It prevents adhesion of the bitumen on the rubber tyres. The emulsion is based on a non-toxic solution and is thus rapidly biodegradable. |
| WIRTGEN GROUP Silicone Transformer Liquid | DOW transformer oil can be used in the magnetic separator in KLEEMANN machines. |
| AdBlue®* | 32.5 % high-purity urea solution in compliance with DIN 70070. |

* AdBlue® is a registered trademark of Verband der Automobilindustrie (VDA) e. V. (German Association of the Automotive Industry).



OUR EXTRA SERVICE FOR YOU

FILTER AND MAINTENANCE PACKAGES

Our lubricants and consumables are perfectly matched to our filter systems, guaranteeing you the necessary system purity and preventing component damage.

Particularly practical: We have put together comprehensive maintenance packages for you. They are matched to the respective machine type and contain all the required filters, lubricants and oils.

You will find details in our Parts and More catalogue.

That way you're always on the safe side!



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CONTACT OUR EXPERTS
ON THE SUBJECT.**

► www.partsandmore.net

SERVICE AGREEMENTS

WIRTGEN GROUP SmartService offers you reliable support to ensure your machines retain their value. Benefit from the advantages of our service package such as cost-effectiveness, minimisation of machine downtimes, value retention, comfort and safety.

Combined with WITOS FleetView*, we are offering a telematics-based service that sets new standards in terms of prevention, responsiveness and efficiency.



WITOS
FleetView

+ WITOS FleetView*

- > Proactive maintenance planning
- > Faster response times in the event of faults
- > Current location and status information for your machines



SmartService

- > Professional maintenance in accordance with operating instructions (incl. filters, lubricants, work time and travel expenses)
- > Visual inspection
- > Check and report on wear
- > Software updates
- > Safety check in line with accident prevention regulations

SmartService

- > Professional maintenance in accordance with operating instructions (incl. filters, lubricants, work time and travel expenses)
- > Visual inspection
- > Check and report on wear
- > Software updates
- > Safety check in line with accident prevention regulations

* SmartService with WITOS FleetView is not available in all countries or for all series – please contact your local sales and service subsidiary for details.

THE MANY YEARS OF PRACTICAL EXPERIENCE
WE HAVE ACCUMULATED ON JOB SITES
ACROSS THE WORLD ARE CHanneled
INTO THE DEVELOPMENT OF OUR
----- WIRTGEN GROUP ORIGINAL SPARE PARTS.

Tailored precisely to the requirements of our powerful machines, they optimally support maximum machine performance.

With WIRTGEN GROUP original parts, you can feel secure in the knowledge that you are doing the best thing for your machine fleet. Even a short machine breakdown costs time and money. That's why you should trust in the benefits that can only be delivered by original parts, manufactured using the very latest production methods: the best quality for maximum reliability and long life.



HOW YOU BENEFIT

- > **HIGHEST QUALITY:** *For a long machine life*
- > **IDEAL AVAILABILITY:** *Rapid delivery thanks to high storage capacities and the very latest logistics*
- > **EXPERT ADVICE:** *Service specialists with sound technical knowledge*
- > **FIRST-CLASS SUPPORT:** *Fast, reliable order processing*
- > **IDEALLY SORTED:** *Extensive, thematically coordinated service and maintenance packages*





WIRTGEN GROUP

WIRTGEN GROUP original parts **ONLY ORIGINAL PARTS WILL MEET YOUR REQUIREMENTS**

PROMPT DELIVERY

Our local service specialists will give you comprehensive advice on your purchase and ensure that your order proceeds swiftly and smoothly. Our globally well organised spare parts store and our cleverly conceived logistics system enable us to ship the required original part promptly and reliably to anywhere in the

world, even to countries with lengthy import procedures. The reliable WIRTGEN GROUP spare parts service will reach even the remotest of job sites.

WIRTGEN GROUP original parts – maximum reliability, long life and rapid availability.





WIRTGEN GROUP



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