



# ***A COMPLETE RANGE OF LUBRICANTS, GREASES & COOLANT***

*For all-round protection of agricultural and grounds care machinery*



**JOHN DEERE**

# JOHN DEERE LUBRICANTS AND COOLANT

## SPECIALLY DEVELOPED FOR USE WITH JOHN DEERE EQUIPMENT

Agricultural and grounds care machinery works hard in tough, demanding conditions and in all kinds of harsh weather – the demands placed on machinery are severe. That’s why it pays to look after your machinery with the best possible lubricants. So make sure you always put your trust in John Deere lubricants. Specially developed for use with

John Deere equipment, they ensure power packed performance and long lasting protection for all kinds of equipment, backed by one of the greatest names in the industry.



## ENGINE OIL

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*Supreme Coolant Oil*

p.5 **TORQ-GARD SUPREME**  
*Motor Oil*

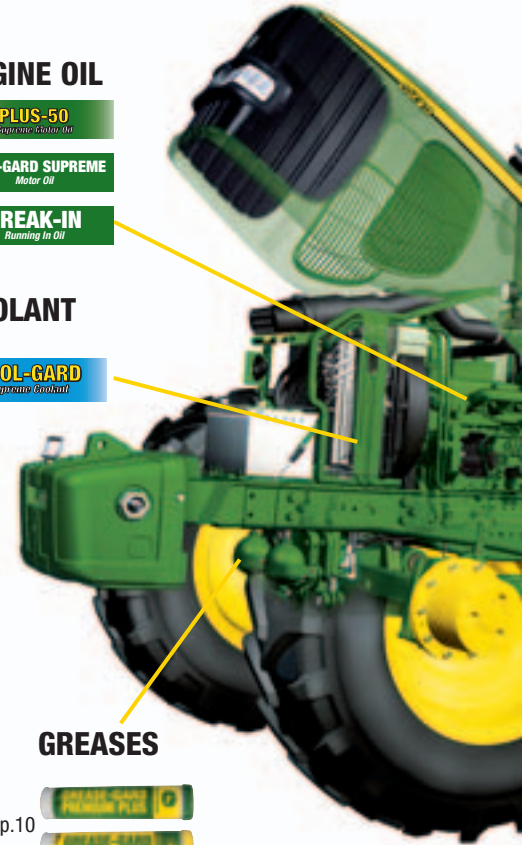
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*Supreme Coolant*

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**GREASE-GARD VOLVO**



Some pack sizes are not available in all countries. For further details, please contact your dealer. Refer to your machine's operating manual for specific oil requirements. If in doubt ask your local dealer for assistance.

## HYDRAULIC AND TRANSMISSION OIL

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## TRANSMISSION OIL

## GREATER EFFICIENCY AND PROTECTION

*Protecting your investment in agricultural and grounds care machinery with John Deere lubricants makes sound financial sense and keeps your productivity high. John Deere non-foaming lubricants are specially formulated to give you outstanding performance:*

- **Lubricating** to reduce friction between metal surfaces in contact and in relative motion and to minimise wear at metal-to-metal contacts.
- **Cooling** metallic components such as bearings, pistons and valve mechanisms.
- **Protecting** against corrosion and rust by neutralising acid combustion products and minimising oil thickening caused by carbon deposits.
- **Minimising** friction and wear of engine components e.g. pistons, bearings, cams etc.
- **Preventing** build-up of deposits on pistons and rings.
- **Maintaining** clean internal surfaces by neutralising and suspending the harmful products of combustion and dust, to minimise the formation of sludge and coke.
- **Sealing** (e.g. at piston rings) to prevent blow-by of gas.
- **Transmitting** forces, e.g. in hydraulic systems.
- **Diminishing** power losses through the system to increase efficiency.
- **Ensuring** satisfactory operation at high and low temperatures

# ENGINE OILS

## PLUS-50

### PURPOSE

*Plus-50 is a unique, state-of-the-art oil designed to extend oil drain intervals, ensure a longer engine life and to provide improved performance and protection of John Deere and all other diesel engines.*



### APPLICATIONS

- Suitable for use in all on-and-off highway heavy duty diesel engines.
- Also suitable for older generation engines.
- Ideal for use in all temperatures.

### KEY ADVANTAGES

- **Extends oil change intervals by up to 50% on all John Deere engines (e.g. from 250 hours to 375 hours).**
- **On selected machines (e.g. 5020, 6020, 7020 Series tractors) extends oil drain intervals to 500 hrs max as specified in operators manuals.**
- Reduced maintenance costs.
- More power, longer engine life
- Cleaner running engine with significantly reduced wear.
- Greater thermal stability and resistance to oxidisation and corrosion.
- Easier cold weather starting.
- Substantial reduction in pollutant emissions.

### SPECIFICATION

SAE 15W40, ACEA E7/E5, JDQ78A, API C-4/SL

### PACKS AVAILABLE

209 L (VC50000X200)

20 L (VC50000X020), 5 L (VC50000X005)

## TORQ-GARD SUPREME

### PURPOSE

*Torq-Gard Supreme is a high performance oil, specially developed to cater for the high demands of new generation engines. It has wide ranging performance characteristics that allow it to be used in diverse situations and in hot or cold weather. It can also be used in transmissions where engine oil is recommended.*



### APPLICATIONS

- Latest generation engines.
- Older generation engines.
- Turbo or non-turbo engines.
- Diesel or petrol engines.

### KEY ADVANTAGES

- Oil changes of up to 250 hours depending upon manufacturer's recommendations.
- Easy starting at low temperature.
- Improved engine cleanliness.
- Reduction in oil consumption
- Energy savings and reduced pollutant emissions.

### SPECIFICATION

SAE 15W40, ACEA E3, API CH-4/SJ

### PACKS AVAILABLE

209 L (VC83070-200),  
20 L (VC83070-020), 5 L (VC83070-005)

## BREAK-IN

### PURPOSE

*Break-in has been specially formulated for use in the first 100 hours operation of a diesel engine and ensures maximum protection and cleanliness during the vital running-in period which is critical to the life and performance of an engine.*



### APPLICATIONS

- Suitable for effective running-in of new or repaired engines.
- Used to rapidly run-in new components, establish protective anti-wear films and prevent other components from suffering excessive wear.
- To be used only in accordance with the instructions of the manufacturer.

### KEY ADVANTAGES

- Maximum period of use is 100 hours.
- Helps ensure that engine rings and liners are effectively seated (an established pattern of surface mating) for proper performance and to avoid the life of the engine being adversely affected.
- Contains special anti wear additive to protect valves, bearings and gears during the break in period.

### SPECIFICATION

J23B

### PACKS AVAILABLE

5 L (VC22938-005)

# HYDRAULIC AND TRANSMISSION OILS

## HY-GARD

### PURPOSE

*Hy-Gard is a sophisticated Universal Tractor Transmission Oil (UTTO) that offers extreme simplification of lubrication choice for agricultural and groundscare equipment.*



### APPLICATIONS

*This top line lubricant provides smooth operation under a wide range of operating conditions in the following uses:*

- *Transmissions and differential units with immersed “wet” brakes.*
- *Gearboxes with hydraulic brakes.*
- *Gearboxes with hydraulic derived systems.*
- *Hydraulic transmissions.*

## HY-GARD Low Viscosity

### PURPOSE

*Hy-Gard Low viscosity has the same performance specifications as Hy-Gard and can be used as a replacement for Hy-Gard in cold weather.*

### KEY ADVANTAGES

- *Performance exceeds the most recent John Deere specification (J20C) for UTTO lubricants.*
- *Excels in controlling moisture.*
- *Excels in resisting oxidation and deposit formation due to heat.*
- *Permits noise-free and smooth operation of oil-immersed “wet” brakes for better productivity, longer brake pad life, less chatter vibration.*
- *Excels in prolonging clutch life, allowing limited clutch slippage for smooth engagement, which reduces clutch wear and provides long life.*
- *Excels in preventing final drive wear due to anti-wear additives for gears.*

### SPECIFICATION

J20C

### PACKS AVAILABLE

209 L (VC81824-200),  
20 L (VC81824-020), 5 L (VC81824-005)

### SPECIFICATION

J20D

### PACKS AVAILABLE

20 L (VC81817-020)

### KEY ADVANTAGES

- *As Hy-Gard advantages above.*

## EXTREME-GARD

### PURPOSE

*Extreme-Gard is an extreme pressure tractor transmission oil designed for the effective lubrication of mechanical transmissions and gearboxes in John Deere agricultural and groundsare machinery.*



### APPLICATIONS

- Final reduction drives
- Differential units
- Manual gearboxes
- Hypoid axles

### KEY ADVANTAGES

- Extended mechanical component life due to the excellent anti-wear properties and extreme pressure performance.
- Adapted to all types of operating conditions including high speed/shock loading, high speed/low torque, low speed/high torque and abrupt variations in loading
- High resistance to oxidation and high thermal stability.
- Enhanced component cleanliness over extended periods (due to lower deposit formation) assures effective, reliable operation of the lubricant for extended periods in adverse operating conditions.

### SPECIFICATION

SAE 80W90, API GL-5

### PACKS AVAILABLE

209 L (VC82610X200), 20 L (VC82610X020),  
5 L (VC82610X005), 1 L (VC82610X001)

Extreme-gard is also available in 85W140 viscosity in 20 L (VC82609-020) only

## EXTREME-GARD LS 90

### PURPOSE

*Extreme-Gard LS 90 is an extreme pressure oil for use primarily in limited-slip differentials found in some agricultural and groundsare machinery.*

### SPECIFICATION

SAE 90, API GL-5

### PACKS AVAILABLE

20 L (VC87939-020)

### KEY ADVANTAGES

- As Extreme-Gard advantages above.

# HYDRAULIC OILS

## HYDRAU-GARD 46

### PURPOSE

*Hydrau-Gard 46 is a pure hydraulic oil, perfect for separate hydraulic systems, including the hydrostatic drive systems of most harvesting machines.*



### KEY ADVANTAGES

- *Very low viscosity variation with temperature (multi-grade character).*
- *Excellent cold flow properties.*
- *Very good protection of pump parts and control valves under high temperature operating conditions.*
- *Excellent water shedding properties.*

### SPECIFICATION

ISO HV DIN 51524 PART 3 HVLP

### PACKS AVAILABLE

209 L (VC81846X200), 20L (VC81846X020)

# UNIVERSAL OILS

## UNI-GARD

### PURPOSE

*Uni-Gard is a unique formulation that offers complete protection for all agricultural and groundscare equipment in a single, universal oil that simultaneously performs several different functions to protect and lubricate gears, bearings and surfaces throughout the machinery.*



### APPLICATIONS

*John Deere Uni-Gard 15W-40 is recommended for:*

- *Turbo-charged and naturally aspirated diesel engines.*
- *Hydraulic system, transmission and wet brakes.*
- *Mechanical transmissions: gearboxes, axles, differentials, final transmission and power takeoff.*

### SPECIFICATION

CCMC D4, API CF/SF, API GL-4/GL-5, DIN 51524-2 type HLP, J20C

### PACKS AVAILABLE

209 L (VC81849-200), 55 L (VC81849-050),  
20 L (VC81849-020), 5 L (VC81849-005)

## GROUNDSCARE

### PURPOSE

The John Deere Groundscare range of lubricants has been developed to meet the requirements of modern garden machinery. Smaller pack sizes make these products convenient to use on machines with small lubricant capacities. Regular use of the oils from the Groundscare range, along with other products from the John Deere Lubricant range, will provide maximum protection for your machinery. Meaning you get maximum performance and reliability from your equipment.



### PACKS AVAILABLE

Product	Pack Size	Parts Number
Uni-Gard 15W40	1 L	VC81849-001
2 Stroke	1 L	VC82410-001
Turf-Gard	1 L	VC81109-001
Chain-Gard	5 L	VC81788-005

### UNI GARD 15W40



Uni-Gard is a universal oil that offers complete protection, in a single oil, for all your groundscare and garden equipment.

Uni-Gard is recommended for all Turbo-charged and naturally aspirated diesel engines, brakes, clutches, hydraulic transmissions, hitch systems and wet brakes.

SPECIFICATION: CCMC D4, J20C, API CF/SF, GL-4/GL-5

### TURF GARD



Turf-Gard is a high performance engine oil designed to protect all John Deere 4-stroke lawn and garden equipment. It has been developed for everyday use in petrol machinery to ensure it runs safely and reliably.

SPECIFICATION: ACEA A2/B2 - 98, API SH/CF

### 2 STROKE



2 Stroke is an oil designed for mixed use in 2 Stroke groundscare petrol engines: lawn mowers, hand held tools, chain saws and motorcycles. Regular use of 2 Stroke oil will ensure your equipment operates efficiently and reliably.

Oil mix lubrication. Fuel-oil ratio of 2% (1:50)

SPECIFICATION: API TA/TB/TC, JASO FA/FB, ISO-L-E-GB

### CHAIN-GARD



Chain-Gard is an oil specially designed to lubricate and protect chain saw chains, ensuring prolonged life of the chain and its runner.

The percentage of polycyclic aromatics (PAH) of Chain-Gard is less than 2%. This performance contributes to the protection of the environment.

# GREASES

## GREASE-GARD PREMIUM AND PREMIUM PLUS

### PURPOSE

*Grease-Gard greases have been specifically developed for protecting, lubricating and helping to improve the efficiency and productivity of a wide range of machinery in farming and grounds care applications. They are ideal for use in all kinds of machinery and suitable for bearings, drive shafts and everywhere grease is required.*

### APPLICATIONS

*Grease-Gard Premium Plus is a premium quality, high temperature, extreme pressure Lithium complex grease as used by John Deere for initial factory-fill lubrication of U-joints and axle bearings. It is compatible with most other types of grease.*

*Grease-Gard Premium is a high quality, extreme pressure multi-purpose Lithium grease that offers excellent performance in light to medium duty and is ideal for all-season general purpose lubrication.*



### KEY ADVANTAGES

#### GREASE-GARD PREMIUM PLUS

- Resistance to high temperatures.
- Excellent resistance to equipment vibration.
- Excellent protection in corrosive and wet conditions.
- Extends re-greasing intervals.
- Superior resistance to water wash out.
- Temperature range – 28°C to +167°C.
- Ideal in rolling-contact applications.

#### GREASE-GARD PREMIUM

- For light to medium duty wheel bearings and U-joints.
- Excellent resistance to extreme pressure.
- Good protection against corrosion.
- Resistance to water wash out.
- Temperature range – 26°C to +143°C.

### SPECIFICATION

**GREASE-GARD PREMIUM PLUS** NLGI grade 2

**GREASE-GARD PREMIUM** NLGI grade 2

### PACKS AVAILABLE

#### **Grease-Gard Premium:**

50 kg (VC65723-050), 20 kg (VC65723-020),  
5 kg (VC65723-005), 400 g (VC65723-004)

#### **Grease-Gard Premium Plus:**

50 kg (VC67009X050), 20 kg (VC67009X020),  
5 kg (VC67009X005), 400 g (VC67009X004)

## COOL-GARD

### PURPOSE

*Cool-Gard is a ready to use high performance monoethylene glycol-based anti-freeze fluid for direct use in the engine cooling systems of John Deere equipment. It minimises the formation of deposits, prevents foaming in use and offers protection over a wide temperature range. A wetting agent improves contact between the product and the surfaces to be protected (cylinder block, liners, etc.).*



### APPLICATIONS

- *Developed specifically for John Deere engines and also suitable for all types of engine cooling systems (particularly closed ones).*
- *Formulated with fit-for-purpose corrosion inhibitors to suit highly stressed engines that are increasingly made from light metals (aluminium, copper, brass, etc.).*
- *Can be used throughout the year under all weather conditions:*

### KEY ADVANTAGES

- *Optimal protection down to -36°C.*
- *Improved cooling in summer owing to high (110°C) boiling point.*
- *Optimal corrosion and cavitation protection.*
- *Compatible with aluminium cylinder blocks.*
- *Thermally stable over entire operating temperature range.*
- *Protection against foaming, deposits and chemical attack.*

### RECOMMENDATIONS

*The coolant must be changed every two years to ensure optimum corrosion protection of the system. Carefully rinse out the system in between coolant changeover. Do not mix coolants of different origins or types. The performance of Cool-Gard's complex, optimised formulation can be negatively affected when mixed with other engine coolants.*

*NB. Some applications enjoy extended intervals, please check the operator's manual for further details.*

### PACKS AVAILABLE

200 L (EPH76215-200), 20 L (EPH76215-020), 5 L (EPH76215-005)



Find out more information about John Deere lubricants and coolants at JDParts. Keywords are 'Oil' and 'Coolant'.

Your John Deere dealership

[www.johndeere.co.uk](http://www.johndeere.co.uk)  
[www.JohnDeereEurope.com](http://www.JohnDeereEurope.com)  
[www.johndeere.co.za](http://www.johndeere.co.za)  
[www.deere.com.au](http://www.deere.com.au)



**JOHN DEERE**

**RELIABILITY IS OUR STRENGTH**