LUBRICANTS GUIDE

JOHN DEERE



ENGINE OILS

Plus-50™ II Premium Engine Oil

Plus-50 II Premium Engine Oil has been developed to meet the needs of John Deere engines. Plus-50 II is an exclusive John Deere formula that exceeds current industry requirements and is highly recommended for use in all engines requiring oil with API service categories of CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, and CG-4, as well as SN, SM, SL, and SJ.

deere.com.au/en/tools/parts/oil-cost-calculator/

Applications

- For use in heavy-duty off-road applications, on-road trucks, marine engines, natural gas engines, pickups, and automobiles
- Backwards compatible for use in all legacy diesel engine applications where Plus-50 may have been applied
- For use in John Deere Tier 4 engines and all diesel engines requiring API CK-4 oil

Features and Benefits

- Exceeds API CK-4 performance level for diesel engines
- Exceeds API SM performance level for petrol engines
- Formulated specifically to inhibit oxidation, deposits, corrosion, and wear with superior soot control
- Reduces maintenance costs and downtime
- Provides maximum sludge and varnish control
- Excellent low-temperature fluidity reduces engine wear in cold weather
- Drain intervals may be extended up to 500 hours when used with John Deere filters in John Deere engines
- Low ash technology to support diesel particulate filter service life

Specifications

SAE 15W-40, API CK-4/CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, SM, SL, SJ, ACEA E9, E7, JASO GH-2

Packs Available

5L	CP6657/NZ
20L	CP6658/NZ
205L	CP6659/NZ
1000L	CP6660/NZ



Torq-Gard™ Engine Oil

Torq-Gard is specially developed for four stroke diesel and petrol engines, where standard drain intervals are required.

Applications

- Suitable for latest or older generation engines
- Also suitable for turbo or non turbo engines
- For use in diesel or petrol engines
- Ideal for mixed commercial fleets

Features and Benefits

- Neutralizes acid to reduce corrosion
- Provides sludge control for cleaner engines
- Multiple viscosity grades to cover a wide variety of application temperature ranges
- Low-temperature fluidity for reduced engine startup wear.
- Standard drain-interval performance

Specifications

SAE 15W-40, API CI-4/CH-4/CG-4/CF-4/SL, ACEA E7, E5, B3, A3

Packs Available

5L	CP5135/NZ
20L	CP5136/NZ
205L	CP5137/NZ
1000L	CP5260



Turf-Gard™ Engine Oil

Turf-Gard is an automotive grade engine oil designed to provide year-round protection for lawn and garden equipment.

Applications

Recommended for use in:

- Lawn mowers
- Garden tractors
- Later model vehicles operating on LRP (lead replacement petrol) or unleaded petrol
- Diesel four wheel drive commercial vehicles
- Turbocharged petrol engines and vehicles running on LPG

Features and Benefits

- Ensures quick starts
- Provides outstanding protection against corrosion and wear
- Ensures rapid oil circulation
- Provides excellent engine cleanliness
- Recommended for John Deere equipment and meets or exceeds manufacturers' engine warranty requirements

Specifications

SAE 10W-40, API SN/CF

Packs Available

1L	CP1570/NZ
5L	CP1571/NZ
20L	CP1572/NZ
205L	CP1573/NZ

Break-In™ Plus Engine Oil

Break-In Plus is a special-purpose engine oil developed to be used in rebuilt or remanufactured engines and new John Deere engines during the initial break-in period.

This oil is formulated to provide a controlled environment for piston rings and cylinder liners to establish a good mating surface for maximum performance and long engine life. At the same time, Break-In Plus provides the necessary wear protection for the valve train and gears.

Applications

- Suitable for effective running-in of a rebuilt or remanufactured engine
- Used to establish protective anti-wear films and to prevent components from suffering excessive wear
- To be used only in accordance with the manufacturer's instructions

Features and Benefits

- Protects up to 500 hours in, rebuilt, or remanufactured engines (always follow Operator's Manual)
- Should be used for at least the first 100 hours to ensure rings and liners set correctly
- Provides a controlled environment for piston rings and cylinder liners to establish good wear patterns for a long engine life
- Contains special anti-wear additive to protect valves, bearings and gears during the break-in period
- Helps prevent excessive oil consumption
- Meets the oil requirements for Tier 4 engines and supports all legacy engines

Specifications

SAE 10W-30

Packs Available

5L	CP6661/NZ
20L	CP6662/NZ
205L	CP6663/NZ





HYDRAULIC & TRANSMISSION OIL

Hy-Gard™

Hy-Gard is a multi-function hydraulic and transmission oil formulated to protect heavily-loaded gears, wet brakes, wet clutches, and hydraulic systems.

Applications

- Suitable for a wide range of operating conditions
- Transmissions and differential units with immersed wet brakes
- Gearboxes with hydraulic brakes
- Gearboxes with hydraulic drive systems

Features and Benefits

- Multi-viscosity formula for a wide range of operating temperatures
- Prevents wear on high-torque heavy-loaded gears and bearings
- Prevents wear and corrosion in hydraulic pumps
- Provides proper friction for wet brakes and clutches, reducing slippage, wear and chatter
- Prevents final drive wear due to anti-wear additives for gears

Specifications

SAE 10W-30, ISO 46-68, JDM J20C, JDQ 95 WEAR TEST

Packs Available

5L	CP1565/NZ
20L	CP1566/NZ
205L	CP1567/NZ
1000L	CP2103/NZ



HYDRAULIC OIL

ISO 68

ISO 68 is a premium, HVI type, hydraulic oil that provides sustained performance in high demand hydraulic systems where exceptional shear stability and wear protection is required.

Applications

- Suitable for sugar cane harvesters, construction, forestry, mining and industrial equipment and many farming implements

Features and Benefits

- Low friction capabilities that help to reduce wear and energy consumption at start up
- High Viscosity Index that ensures the oil maintains the correct viscosity under temperature stress
- Advanced additive pack that provides excellent shear stability
- High resistant to oxidation and improved age stability
- Compatibility with a wide range of sealing material
- Rapid demulsification properties that prevent the creation of water and oil sludge

Specifications

Bosch Rexroth RE07075/RE90220, US Steel 126 & 127, Cincinnati Milacron P 68-69-70, Vickers, DIN 54 524-3 HVLP, ISO 6743-4HV

Packs Available

20L	CP6938/NZ
205L	CP6939/NZ
1000L	CP6952



GEAR LUBRICANTS

GL-5

GL-5 is the preferred oil in John Deere compartments when gear oils are recommended. API GL-5 is for service similar to GL-4, but for more severe conditions. It applies to conditions encountered in hypoid gears. Other equipment operated under high-speed, shock-load; high-speed, low-torque; and low-speed, high-torque conditions may specify API GL-5.

Applications

– Can be used in any application requiring API, GL-5; SAE 80, 90, 80W-90, or 85W-140 gear lubricants

Features and Benefits

– Designed for gears, particularly hypoid which operate under conditions of high-speed, low-torque and low-speed, high-torque

Specifications

API GL-5 / MT1, JDM J11G, SAEJ2360, MACK GO-J, Eaton Roadranger E500 / SHANES-256, Navistar Int'L TMS-6816, Arvinmeritor 0-76N, and service designation MIL-L-2105E

Packs Available

5L	80W/90	CP1093
20L	80W/90	CP1228
5L	85W/140	CP1092
20L	85W/140	CP1226
1000L	85W/140	CP6798





FILTERS

Unplanned downtime because of a filter problem? That is never OK. Our products are too big an investment to allow that kind of thing to happen. Use John Deere Filters to keep the dirt out. We offer top-of-the-line filters to help deliver superior performance season after season.

A part of the whole. The important parts. John Deere Oil Filters. Fuel Filters. Air Filters. Hydraulic Fluid Filters. Take a good look at our filter options. We've got you covered. You'll find that simply choosing John Deere Filters can up your productivity, reduce maintenance costs and extend the life of your equipment.

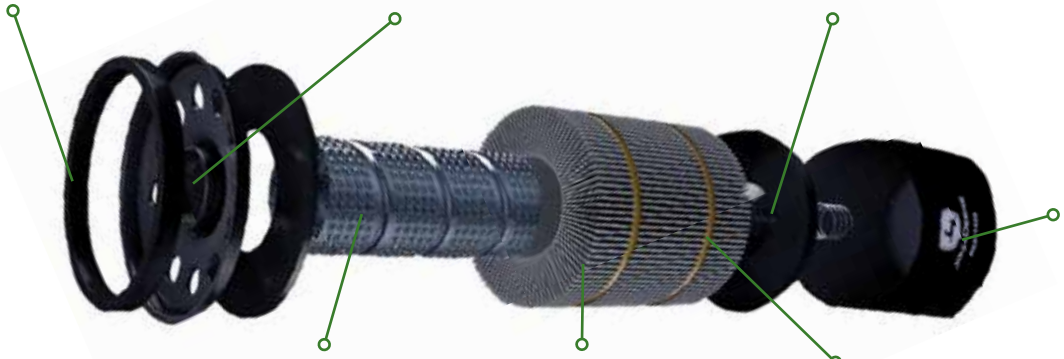


JOHN DEERE OIL FILTERS. SEE THE BENEFITS FOR YOURSELF.

Rubber gaskets specifically designed for each application. Tighter seal than cork or plastic gaskets used by most competitors.

Nut plate with rolled threads. Rolled threads prevent metal contamination vs. traditionally machined threads.

Heavy-duty one-piece meta end caps. Rolled threads prevent metal contamination vs. traditionally machined threads.



Heavy-duty canister. Stronger, longer fatigue life.

Crimped spiral center tube. Adds strength to prevent media from collapsing and allowing particles into system.

Tight pleats and even media spacing. Ensure even filtration for better protection.

Additional pleat lock on larger filters. Ensure and maintains consistent and even media spacing.

PLUS-50 II ENGINE OIL + JOHN DEERE OIL FILTERS. STILL BETTER.

JOHN DEERE OIL FILTERS
\+
PLUS-50™ II ENGINE OIL

500 HOURS FREE OF DOWNTIME

Plus-50 II engine oil is designed, developed and tested specifically for John Deere engines.

When used with a John Deere oil filter, it reduces downtime and increase drain intervals, performing up to an amazing 500 hours^.

Still better than even the required standards, Plus-50 II will keep your John Deere on the job as long as you are. Plus-50 II Engine Oil. Still better. Still guaranteed. Still available only at your local John Deere Dealer.



^500 hour drain interval applies to John Deere diesel engines when the following criteria are met:1. Engine is equipped with an extended drain interval oil pan.2. Machine operates with Plus-50 II engine oil API CK-4.3. Machine uses a John Deere engine oil fi lter. 4. Machine uses only ultra low sulphur diesel fuel.

COOLANT

Therma-Gard™

Therma-Gard is a high-performance anti-freeze/ summer coolant designed to meet and exceed today's heavy-duty engine requirements.

Applications

- Engineered for heavy-duty applications, where automotive grade products do not provide effective protection against corrosion
- Developed specifically for John Deere engines
- Formulated with corrosion inhibitors to minimise the formation of deposits

Features and Benefits

- 6 years/6,000-hour service life to reduce downtime and lower operating costs
- 20% longer service intervals which translates to savings
- High thermal and oxidative stability required by engines equipped with cooled exhaust gas recirculation (EGR)
- Provides excellent protection against corrosion and deposits, extends water pump life and prevents cylinder liner cavitation

Packs Available

5L	Pre-Mix	CP6175/NZ
10L	Pre-Mix	CP6176/NZ
20L	Pre-Mix	CP6177/NZ
205L	Pre-Mix	CP6178/NZ
5L	Concentrate	CP6179/NZ





SPINDLE GREASE



There are over **4200 moving parts** in your spindle system that John Deere picking unit grease needs to protect.

JOHN DEERE SPINDLE GREASE PROTECTS YOUR INVESTMENT...

A lower price, lesser-quality spindle grease costs more than you expect – especially if it doesn't stand up to the harmful effects of extreme temperatures, high-speed operation, rust, and corrosion.

JOHN DEERE SPINDLE GREASE:

- Minimises wear for optimum performance in the field and minimal consumption
- When using John Deere grease and cleaner, row units can last 1,500 fan hours (5 years) before needing major overhaul
- Reduces operating and maintenance costs and prolongs the life of your picker heads
- Minimises your downtime for maintenance and protects against unexpected breakdowns

PACKS AVAILABLE

175KG CP2108

850KG CP6688

JOHN DEERE **BRAND X**



SPINDLE BUSHING



DRIVE SHAFT GEAR



REPAIR SLEEVE



BAR JOURNAL

SPINDLE CLEANER

The row unit cleaning system in your picker is highly advanced.
Your cleaner should be too!



JOHN DEERE SPINDLE CLEANER DELIVERS SUPERIOR RESULTS

Soap and water are not enough.
Using dishwashing soap instead of a quality spindle cleaner doesn't protect your machinery and parts. Even worse, dishwashing soap actually washes away the lubricating spindle grease from the spindle bushings and attachments leaving them unprotected.

THE RIGHT FORMULA AND BENEFITS

- Uniquely formulated, oil-in-water emulsion that incorporates tiny droplets of oil to both clean and protect spindles, bushings, doffers and moisture pads
- Oil droplets provide protection against rust and oxidation of bushings and spindles
- Cleans spindles effectively – even when working with extremely hard water
- Applies easily through small nozzles, reducing consumption
- Mixes with water at a ratio of 20 L of cleaner to 1000 L of water
- Meets JDN354 specifications

PACKS AVAILABLE

20L CP4530
205L CP4531
1000L CP6704

JOHN DEERE **BRAND X**



The spindle on the right, cleaned with a lesser-quality product, shows excessive wear, pitting, rust, corrosion and bacteria, versus the parts on the left.



Poor quality spindle cleaner and spindle grease caused excessive corrosion and wear to the spindle gear on the right.



The doffer pad on the right was exposed to a lesser quality product, making it brittle and prone to wear and chunking.

GREASE

Multi & Special Purpose Grease

John Deere's range of greases has been specifically developed to protect, lubricate and improve the efficiency and productivity of a wide range of machinery. Industrial strength grease guns are designed to easily handle punishing day-in, day-out applications.

SPECIAL PURPOSE GREASE



CORN HEAD
NLGI 0

APPLICATIONS:
- ✓ Corn-head gear cases
- ✓ Reel mowers
- ✓ Gear cases running up to 1,000 rpm

BENEFITS:
- ✓ Thins to a heavy gear oil when hard at work, then thickens to a grease when at rest; will not leak from slow-moving gearboxes

PART NO.	DESCRIPTION
AN102562/NZ	397 g Cartridge
AH80490	15.9 kg Pail



HD LITHIUM COMPLEX
3% MOLY NLGI 2, GC-LB CERTIFIED

APPLICATIONS:
- ✓ Construction, mining, and heavy industrial equipment
- ✓ Pivot pins, bushings, ball joints, and track rollers
- ✓ Not to be used in wheel and roller bearings

BENEFITS:
- ✓ Excellent protection when shock loads and sliding pressures are severe
- ✓ Protects against extreme pressure

PART NO.	DESCRIPTION
TY6341/NZ	397 g Cartridge
TY24421	15.9 kg Pail



HD WATER RESISTANT
NLGI 2

APPLICATIONS:
- ✓ Wet environments
- ✓ Resists rust and corrosion
- ✓ Pins, bushings, and anti-friction bearings

BENEFITS:
- ✓ Protects against water washout and spray-off

PART NO.	DESCRIPTION
TY24425/NZ	397 g Cartridge
TY24427	15.9 kg Pail

MULTI PURPOSE GREASE



LITHIUM
NLGI 2, STANDARD

APPLICATIONS:
- ✓ General-purpose grease
- ✓ Pins, bushings, and anti-friction bearings

BENEFITS:
- ✓ Moderate speeds, loads, and temperatures

PART NO.	DESCRIPTION
PT507/NZ	397 g Cartridge
PT575	15.9 kg Pail



SD POLYUREA
NLGI 2, GC-LB CERTIFIED, PREMIUM

APPLICATIONS:
- ✓ Agricultural equipment
- ✓ On- and off-road equipment
- ✓ Ride-on Mowers, trucks, and trailers
- ✓ Universal joints,bearings, and suspensions

BENEFITS:
- ✓ Performs in severe applications
- ✓ Minimises wear at high speeds or under heavy loads
- ✓ Resistant to heat degradation

PART NO.	DESCRIPTION
TY6341/NZ	397 g Cartridge
TY24421	15.9 kg Pail



HD LITHIUM COMPLEX
NLGI 2, GC-LB CERTIFIED, BETTER

APPLICATIONS:
- ✓ Agricultural equipment
- ✓ On- and off-road equipment
- ✓ Ride-on Mowers, trucks, and trailers
- ✓ Universal joints, bearings, and suspensions

BENEFITS:
- ✓ Stable high-operating temperatures
- ✓ Minimises wear at high speeds or under heavy loads

PART NO.	DESCRIPTION
TY24416/NZ	397 g Cartridge
TY24417	15.9 kg Pail



MULTI-PURPOSE EXTREME-DUTY SYNTHETIC GREASE

APPLICATIONS:
- ✓ Tolerates extremely high and cold operating temperatures (-42.7°C to 232°C)
- ✓ Farm, construction and commercial equipment – universal joints, wheel bearings, suspension systens and brake calipers
- ✓ General-purpose – windows, garage doors, hinges, bicycles, shop tools, locks and many other applications

BENEFITS:
- ✓ Synthetic with Teflon™; no silicone
- ✓ NSF certified food-grade, rated H-1, non-toxic, odourless
- ✓ Dielectric grease ideal for sealing, protecting, and insulating electrical components and connectors

PART NO.	DESCRIPTION
TY25744	397 g Cartridge

GREASE GUNS



JOHN DEERE BLACK
PISTOL GRIP



APPLICATIONS:
- ✓ Contoured fixed handle for better grip
- ✓ Non-slip textured powder coated finish
- ✓ Improved plunger rod design – locks with the rubber follower for purging the trapped air in grease
- ✓ Standard-duty 3-jaw hydraulic coupler with hardened coupler jaws and body. Withstands pressures up to 5,000 PSI without deformation; hexagon nut for easy tightening design.

PART NO.
TY26517

JOHN DEERE BLACK
LEVER ACTION



APPLICATIONS:
- ✓ Longer lever handle for better leverage
- ✓ Stronger grease gun head for pressures up to 10,000 PSI
- ✓ Extra space b/w lever handle and grease barrel in fully closed position for larger hands
- ✓ Non-slip textured powder coated finish

PART NO.
TY26518

AIR-OPERATED
CONTINUOUS-FLOW



APPLICATIONS:
- ✓ Delivers 1.75 L (60 oz.) per each 40 strokes
- ✓ Maximum of 4,000 PSI
- ✓ Heavy-duty aluminum die cast head

PART NO.
TY26519

HEAVY-DUTY SILVER
PISTOL GRIP



APPLICATIONS:
- ✓ Pistol-grip gun dual-leverage design allows choice between high-pressure or high-volume output
- ✓ Develops 7,500 PSI
- ✓ Ergonomic rugged cast aluminum handle
- ✓ Rigid extension and coupler standard

PART NO.
TY26689



DON TAKES PRIDE IN GETTING HIS HANDS DIRTY.

Like the farmers he serves, Don understands the meaning of a hard day's work. So do the experts at your John Deere dealer who can get you field ready.

You can count on the best-trained technicians in the industry to identify and replace failing parts to prevent disastrous downtime – all while staying within your budget with Genuine John Deere, Reman and A&I parts. Plus, Genuine John Deere Agriculture parts now carry a 12-month warranty including labour.*

JOHN DEERE

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories NOT AVAILABLE in all countries or regions. In some countries, products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries. PLEASE CONTACT YOUR LOCAL DEALER FOR DETAILS. John Deere reserves the right to change specification and design of all products described in this literature without notice. John Deere's green and yellow colour scheme, the leaping deer symbol, and JOHN DEERE are trademarks of Deere & Company. All photography and illustrations contained herein are copyrighted assets of Deere & Company. *12 month/unlimited hour warranty on new agricultural parts and 6 month/unlimited hour warranty on new Turf parts installed by an authorised John Deere Dealer. See John Deere Service Repair Parts Warranty for details at JohnDeere.com.au/PartsWarranty.

JohnDeere.com.au
JohnDeere.co.nz

SAFETY live with it

CP8122 (0419)