

# LUBRICANTS & ACCESSORIES

Bobcat lubricants are designed to provide optimal protection that adapts to the working conditions, resulting in improved soot handling, wear protection, and resistance to breakdown under high temperatures



# BOBCAT ENGINE OILS

## WHY NEW GENERATION ENGINE OILS?

Regulations on emissions reduction, influence of engine design and qualitative levels of lubricants. Bobcat Ultra Engine Power SAE 10W-30 and 15W-40 use the latest additive technology to protect under the most severe engine conditions found in modern low-emission engines.

The oils are designed to provide optimal protection that adapts to the working conditions – resulting in improved soot handling, wear protection and resistance to breakdown under high temperatures. The low-ash formulation helps protect the exhaust catalyst and particle filters as used on the latest low-emission vehicles – making. It makes the oil suitable for the most modern low-emission heavy-duty engines.

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TIER III / Stage IIIA Engines

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TIER IVi / Stage IIIB Engines

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TIER IV / Stage IV Engines

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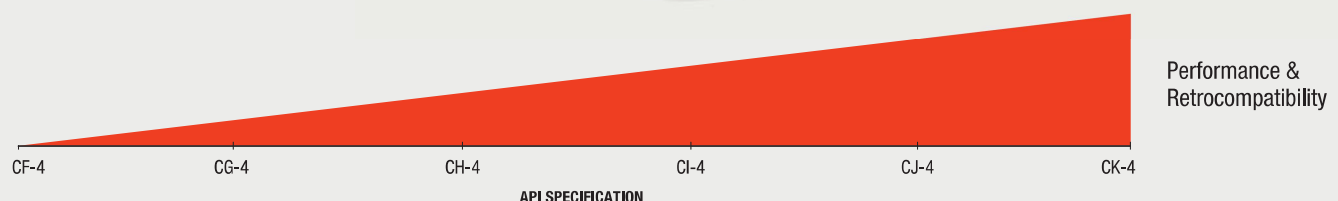
TIER IV / Stage V Engines

## KEY FEATURES OF API CK-4 SPECIFICATIONS

- Better dispersion to work with higher levels of soot.
- Better detergency to minimise deposit formation.
- Suitable with Ultra Low Sulphur Fuel (ULSF – 10 ppm) and 50 ppm sulphur content fuels.
- Designed to fully meet the requirement of engines fitted with EGR (Exhaust Gas Recirculation) Valve to reduce emissions of NO<sub>x</sub> (Nitrogen Oxides).
- Superior protection against corrosion caused by acidic by-products of the combustion process.
- Better compatibility with new seals used in new generation engines.
- Improved protection with the higher operating temperature typical of the new low emission engines.



## API BACKWARD COMPATIBILITY



# ENGINE OILS

## CI-4 ENGINE OILS FOR TIER III / STAGE IIIA ENGINES

BOBCAT ENGINE POWER oils are high-performance heavy-duty engine oil for use in applications requiring API CI-4 or ACEA E7 or lower specification, formulated with a blend of high-quality base oil and additives to sustain engine durability. May also be used in other earthmoving machines. Not to be used for low SAPS Euro V and VI engines requiring API CK-4 / ACEA E9 specifications. Please refer to the operation manual.

### ► CI-4 ENGINE POWER 10W-30

#### MAIN CHARACTERISTICS

- Synthetic based.
- Superior lubrication at low temperature start-ups (-25°C).
- Low evaporability, less top-ups required.
- Also suitable for petrol engines.
- Best protection for new and older engines, not equipped with emission reduction systems (such as DPF).
- Excellent dispersion, minimizing the formation of sludge and deposits.

#### CLIMATE

North Continental

#### SEASONALITY

All season protection

#### FOR ENGINES WITH EMISSION REDUCTION SYSTEMS

No

#### INTERNATIONAL STANDARDS

- API CI-4
- ACEA E7

P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM	1000L TANK
	6987789A	6987789B	6987789C	6987789D

### ► CI-4 ENGINE POWER 15W-40

#### MAIN CHARACTERISTICS

- Low evaporability, less top-ups required.
- Best protection for new and older engines, not equipped with emission reduction systems (such as DPF).
- Also suitable for petrol engines.
- Excellent dispersion, minimizing the formation of sludge and deposits.

#### CLIMATE

South Continental

#### SEASONALITY

All season protection

#### FOR ENGINES WITH EMISSION REDUCTION SYSTEMS

No

#### INTERNATIONAL STANDARDS

- API CI-4
- ACEA E7

P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM	1000L TANK
	6987790A	6987790B	6987790C	6987790D



## CK-4 ENGINE OILS FOR TIER IV / STAGE V ENGINES

BOBCAT ULTRA ENGINE POWER oils are high-performance heavy-duty low SAPS engine oil for use in applications requiring API CK-4 or ACEA E7 or lower specification, suitable for Euro V and Euro VI modern, high-output, low-emission engines fitted with emission control systems using DPF, SCR, DOC and EGR technologies. It is also suitable for older turbocharged and naturally aspirated diesel engine generations, both on-highway and off-highway, running on low or ultra-low Sulphur diesel and bio-diesel.



### ▶ CK-4 ULTRA ENGINE POWER 10W-30

#### MAIN CHARACTERISTICS

- Lower SAPS oil.
- Synthetic based.
- Provides superior lubrication at low temperature start-ups (-25°C).
- All-season protection.
- Best protection for new and older engines with emission reduction systems (such as DPF).
- Low evaporability, less top-ups required.
- Also suitable for petrol engines.
- Excellent dispersion, minimizing the formation of sludge and deposits.
- Certified enhanced lifetime of the emission control system.

#### CLIMATE

North Continental

#### SEASONALITY

All season protection

#### FOR ENGINES WITH EMISSION REDUCTION SYSTEMS

Yes

#### INTERNATIONAL STANDARDS

- API CK-4
- ACEA E9/E7

P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM	1000L TANK
	7341377A	7341377B	7341377C	7341377D

### ▶ CK-4 ULTRA ENGINE POWER 15W-40

#### MAIN CHARACTERISTICS

- Lower SAPS oil.
- All-season protection.
- Best protection for new and older engines with emission reduction systems (such as DPF).
- Low evaporability, less top-ups required.
- Also suitable for petrol engines.
- Excellent dispersion, minimizing the formation of sludge and deposits.
- Certified enhanced lifetime of the emission control systems.

#### CLIMATE

South Continental

#### SEASONALITY

All season protection

#### FOR ENGINES WITH EMISSION REDUCTION SYSTEMS

Yes

#### INTERNATIONAL STANDARDS

- API CK-4
- ACEA E9/E7

P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM	1000L TANK
	7395725A	7395725B	7395725C	7395725D

### BOBCAT ENGINE OILS RECOMMENDED OUTSIDE TEMPERATURE RANGES

°C	-35	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50
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Bobcat (Ultra) Engine Power SAE 10W/30

Bobcat (Ultra) Engine Power SAE 15W/40



# HYDRAULIC/HYDROSTATIC OILS

Premium all-season high performance lubricants for hydraulic/hydrostatic systems designed and recommended for all Bobcat equipment. Custom blended base oils and additives meeting Bobcat Engineering's stringent specifications for quality and reliability.

## ► Bobcat Superior SH Hydraulic/Hydrostatic

Bobcat Hydraulic/Hydrostatic fluid is a special blend of high quality lubricants designed to provide optimum flow at subzero temperatures yet maintain excellent stability during periods of high temperature use. Bobcat's Hydraulic/Hydrostatic fluid formula cannot be duplicated from off-the-shelf hydraulic fluids.

### MAIN CHARACTERISTICS

- The same premium fluid as factory fill, fully compatible with hydraulic components, filters, seals in Bobcat equipments.
- High filterability: very significant reduction of filter plugging phenomena.
- High shear stability – maintains superior performance under operating conditions unlike standard hydraulic lubricants.
- High viscosity index with excellent thermal stability for high performance at high temperatures and excellent pumpability / start-ups at low temperatures.
- Very low deposit formation.
- Excellent pumpability / start-ups at low temperatures.
- Very high anti-wear properties.
- Low evaporability, less top-ups.
- Ensures seal performance and protects critical bearings, cylinder and gears.
- Removes heat and wear debris and keeps the system clean.
- Special anti-foaming agent to assure proper functioning of the systems.

### PERFORMANCE LEVEL

- Viscosity index: 141 typical (according D2270)
- Pour point: -41 °C (according D97)
- Brookfield Viscosity cP @ -34 °C: 12 200 typical (according D2983)

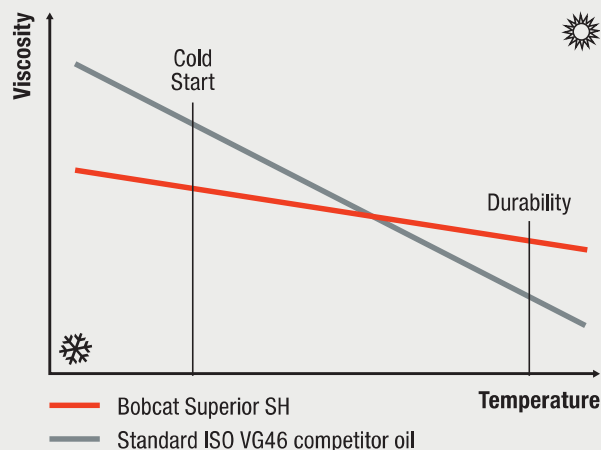
P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM	1000L TANK
	6987791A	6987791B	6987791C	6987791D

### HOW CAN A HIGH VISCOSITY INDEX LUBRICANT HELP YOUR OPERATIONS?

**Excellent thermal stability keeps high level of protection at high temperatures.** Under severe conditions, Bobcat Superior SH keeps protection thanks to high shear stability at high temperature.



**Excellent pumpability at low temperatures helps cold start.** On top of that, it also prevents metal to metal contact on each start cycle, hence offering better protection to your equipment.



▶  
WATCH  
HYDRAULIC  
OIL VIDEO

# AXLE / TRANSMISSION OIL

When you depend on performance and reliability, count on bobcat lubricants and fluids to deliver superior results in all job conditions.

- Bobcat Transmission and Differential Oil is an extra high-performance multipurpose lubricant engineered to meet or exceed transmission and certain hydraulic Oil requirements. The advanced technology is designed to optimize the performance of equipment operating in a wide range of environments and conditions.
- Bobcat Transmission and Differential Oil combines select base oils and an advanced additive package to deliver the varied lubricant performance properties required in severe duty applications.
- Bobcat Transmission and Differential Oil delivers exceptional performance in today's power train transmissions and drive axles.

## ▶ Bobcat Axle Transmission Oil

Special axle/transmission fluid designed and recommended for all Bobcat machines.

### MAIN CHARACTERISTICS

- Special friction modifiers combined with a balanced and precise blend of other components
- Suitable for a wide range of friction disc materials (graphite, paper, sintered materials, etc)
- Longer maintenance intervals
- High thermal resistance
- Recommended for axles with wet brakes, limited slip differentials and gearboxes
- UTTO = Universal Tractor Transmission Oil

### INTERNATIONAL STANDARDS

- API GL-4

### OEM STANDARDS

- ZF TE-ML 03E, 05F, 17E, 21F
- Allison C-4
- Caterpillar TO-2
- Ford New Holland ESEN M2C86C
- Ford New Holland M2C86A/B, M2C41B, M2C48B, M2C53A, M2C134A/B/C
- Massey Ferguson M1135, M1110, M1127, M1129A, M1141
- John Deere J20C
- Case International MS1210, MS1204, MS1205, MS1206, MS1207
- DENISON HF-0/HF-1/HF-2

P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM
	6987794A	6987794B	6987794C

## ▶ Bobcat Axle GL-5 LS SAE 85W/90

High performance Limited Slip Axle lubricant designed and recommended for all Bobcat machines.

### MAIN CHARACTERISTICS

- Superior protection of gears, crown wheels and pinions
- The use of a particular and specific friction modifier (Limited Slip additive) allows usage wherever an effective and lasting reduction in jerking and vibration (Stick-Slip) is required.
- Recommended for heavy duty loads, limited slip differentials with wet brakes/clutches

### INTERNATIONAL STANDARDS

- API GL-5

### OEM STANDARDS

- ML-L-2105D

P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM
	6987805A	6987805B	6987805C

## BOBCAT AXLE / TRANSMISSION OILS RECOMMENDED OUTSIDE TEMPERATURE RANGES

°C	-35	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50
	BOBCAT AXLE / TRANSMISSION OIL																	

# CTL TRAVEL MOTOR OIL

Bobcat travel motor oils are specifically designed to fulfill the most stringent requirements of Bobcat genuine travel motor of CTL Bobcat equipments.

## ▶ TravelMotor Oil for MCRF Type Motors

### DESCRIPTION

Use only the specific Bobcat Oil Travel Motor, synthetic 20w/50 specific lubricant available in one package size (4× 250 ml)

### APPLICATION

- Older design – MCRF type

P/N	4× 250 ML
	6987797

## ▶ TravelMotor Oil for MCR5T/MCR6T/MCR10T Type Motors

### DESCRIPTION

This type of oil is very sensitive to the exact quantity. If it is not respected, there is a risk of premature seal failure and increased brake application time. To avoid any potential fault, we have gone to the option to propose the exact quantity and it makes maintenance much easier too.

### APPLICATION

- 0.36 l Bobcat Oil Travel motor for T450, T590, T650, T66 and T76
- 0.52 l Bobcat Oil Travel motor for T770 and T870

P/N	0.36L / 12 OZ	0.52L / 17.5 OZ
	7270874	7270875



# COOLANT / ANTIFREEZE

Special new generation long life silicate free coolant/antifreeze designed and recommended for all Bobcat equipment. Suitable also for other earthmoving machines, commercial vehicles, vans and cars. Provides freeze protection down to  $-36^{\circ}\text{C}$ .

## ► Bobcat PG Coolant PreMix 4 Season

Long life silicate free PG coolant/antifreeze designed and recommended for all Bobcat equipment. Suitable also for other earthmoving machines, commercial vehicles, vans and cars. Provides freeze protection down to  $-36^{\circ}\text{C}$ .

### MAIN CHARACTERISTICS

- Long life (up to 5 years).
- Silicate free coolant – highly reduced deposit formation.
- Excellent anti-corrosion protection for aluminium and different alloys/materials.
- Recommended for mixed fleet cooling systems.
- 4 seasons coolant/antifreeze.
- Formulated with demineralized water.
- PG formula is substantially less toxic than EG (ethylene glycol) based antifreeze.

**Base:** Propylene glycol (PG) mixture

**Type:** Premix – ready to use

### USAGE

- **IMPORTANT!** do not add water.
- Before using Bobcat PG Coolant to replace EG Coolant, thoroughly flush the system.
- Do not use an ethylene glycol hydrometer to test propylene glycol base coolants.

**Freezing point:**  $-36^{\circ}\text{C}$



P/N	5L CAN (BOX OF 4)	20L CONTAINER	210L DRUM	1000L TANK
	6987793A	6987793B	6987793C	6987793D

## ► Bobcat EG Coolant PreMix $-36^{\circ}\text{C}$

High performance pre-mixed Ethylene Glycol coolant designed and recommended for Bobcat equipment.

### MAIN CHARACTERISTICS

- Free of silicate, borate, amine, nitrate and phosphate
- High durability / protection (up to 4000 h/5 years).
- Specific for aluminium radiators cooling systems in particular
- Ready to use, pre-mixed with demineralized water.

**Base:** Ethylene glycol (EG) based antifreeze/coolant

**Type:** Premix – ready to use

### USAGE

- **IMPORTANT!** do not add water
- Before adding Bobcat EG Coolant to replace PG Coolant, thoroughly flush the system

**Freezing point:**  $-36^{\circ}\text{C}$



P/N	5L CAN (BOX OF 4)
	6987804A



**⚠ DO NOT MIX PG & EG ANTIFREEZE.**  
This causes a significant increase in freeze point.