



Carter

The solution
to maximize
the performance
of your gearboxes

Protection and reliability



TotalEnergies

Summary

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special applications & booster
- Our solutions
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by TotalEnergies Lubrifiants
- Five good reasons for choosing
TotalEnergies Lubrifiants

Gear Oils

Your challenges

- **Reliability of equipment:** optimizing the life cycle and productivity of gearbox.
- **Difficult operating conditions:** limit the impact of contamination (dust, impurities, water, etc.), temperature and pressure variations.
- **Safety and sustainable production:** carry out your activities in complete safety while reducing the impact on the environment.
- **Reduce maintenance downtime:** reduce oil consumption and extend maintenance intervals.

CORE RANGE

ADVANCED

Carter XE
ISO VG 150-680
Synthetic formula for outstanding energy efficiency

- Reduce maintenance downtime
- Micropitting protection
- Extreme temperatures



PREMIUM

Carter SH
ISO VG 68-3200
Synthetic

- Reduce maintenance downtime
- Micropitting protection
- Extreme temperatures



PRINCIPAL

Carter EP & XEP
ISO VG 68-3000
Mineral

- Severe conditions
- Micropitting protection



ENTRY

Carter
ISO VG 68-1000
Mineral

- Standard gear oil meeting ISO & DIN requirements

Carter SG
ISO VG 100-1000
Synthetic

- Reduce maintenance downtime
- Extreme temperatures



Kassilla GMP
ISO VG 100-1500
Mineral

- Solid additives (graphite and molybdenum disulphide)
- Very high EP properties

Carter HD
ISO VG 220-320
Mineral

- Outstanding EP properties to prevent welding
- Increase load carrying capacity



- Extends drain interval
- Energy savings
- Heavy industries
- Mining or mineral industries



LIGHT TO HEAVY DUTY GEAR BOXES



WORM DRIVES AND BEVEL GEARS



SHOCK LOAD

Special applications

Nevastane range
Food grade gear oils

- See dedicated brochure for this range

Carter BIO
Synthetic esters
Synthetic esters

- Biodegradable
- Environmentally Acceptable Lubricant (EAL)



Carter WT range
ISO VG 320
Synthetic

- Reduce maintenance downtime
- On-shore and off-shore wind turbines
- 10 years field test proven

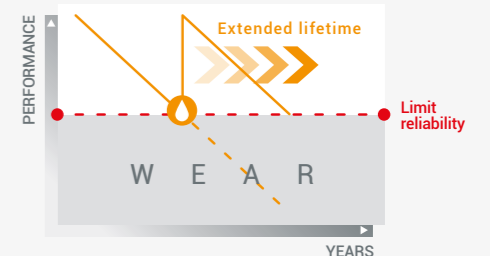


Gear oil booster

GO Life extender

- Reduce maintenance by extending your drain intervals

Post-treatment booster designed for Carter SH and WT. The booster can also be used with Carter EP, XEP and XE.



Our solutions

TotalEnergies is constantly investing to develop better lubrication solutions:

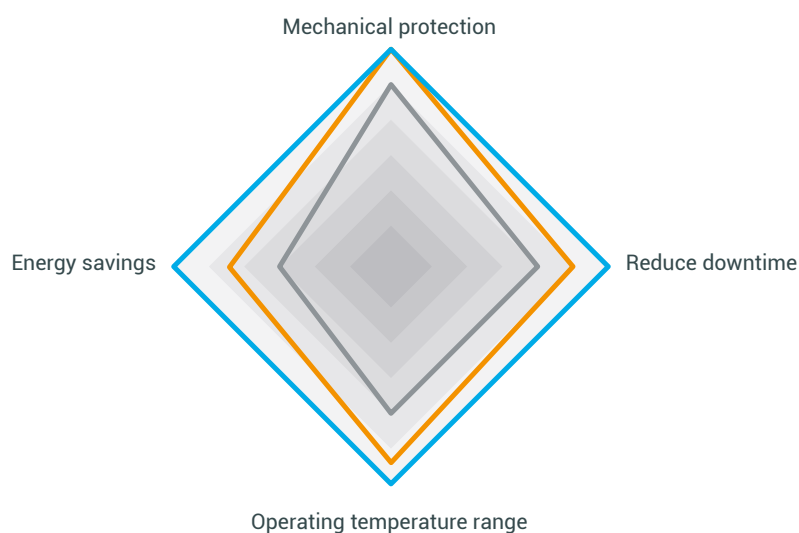
- Advanced oils with **optimum performance**.
- **A complete range** of lubricating solutions for your gear units operating in a **variety of conditions**.
- Products with **reduced impact on health and the environment**.

Specifications and approvals

	Carter	Carter BIO	Carter EP	Carter XEP	Carter SG	Carter SH	Carter XE
ISO 12925-1	CKC/ CKD	CKES	CKSMP/ CKD	CKSMP/ CKD	CTPG	CKSMP/ CKD	CKSMP/ CKD
Technology	Mineral	Synthetic esters	Mineral	Mineral	Synthetic	Synthetic	Synthetic
DIN 51517-3 CLP	✓	✓	✓	✓	✓	✓	✓
AGMA 9005 F16 – AS	✓	✓	✓	✓	✓	✓	✓
FLENDER			✓	✓		✓	<i>Pending</i>
ZF			✓			✓	<i>Pending</i>
SEW			✓			✓	<i>Pending</i>
CMD Gears			✓	✓		✓	✓

Core range comparison



- ◇ **Carter XE**
- ◇ **Carter SH**
- ◇ **Carter EP**



The **benefits** offered by TotalEnergies Lubrifiants

LubAnac provides you a full range of lube oil analysis, to allow you to anticipate and diagnose anomalies in the equipment. This solution is both preventive and corrective.


Thanks to LubAnac, you:

-  **Reduce** your operating **costs**.
-  **Anticipate and plan** maintenance operations to perform them at the **best time**.
-  **Optimize** drain intervals and **extend the lifetime** of your equipment.
-  **Improve the reliability and performance** of your equipment.

LubInsight Maintenance Planner, optimized maintenance software for your lubricants

LubInsight Maintenance Planner allows you to boost your productivity through efficient maintenance planning.

Built on the expertise of our engineers, LubInsight Maintenance Planner offers you to:

-  **Increase efficiency** and savings of your maintenance management.
-  **Monitor lubricant parameters and analyses** with a single tool.
-  **Assert your quality and safety management** through management of lubricant documentation and critical points.





A major player

With our production, supply chain and commercial presence in more than 160 countries, we deliver a full range of lubricants.

Support and partnership

Thanks to local technical presence, we provide a high level of service to optimize your Total Cost of Ownership.

References & OEMs

TotalEnergies Lubrificants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.



Innovation & Research

TotalEnergies Lubrificants invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

Quality and environment

TotalEnergies Lubrificants ISO 9001 and 14001 certifications are the guarantee of a long term commitment to quality and environment. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.



TotalEnergies



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Safety Data Sheets are available at ms-sds.totalenergies.com



TotalEnergies Industry Solutions