



## Heavy Duty Off-Road Grease Range

**A wide range of high-performance greases** recommended for Heavy Duty applications by major manufacturers of the industry.



**TotalEnergies**



# TotalEnergies

a multi-energy company

With a presence in **more than 150 countries**, TotalEnergies is a strong partner of choice for fuel and lubricants for its customers. Through innovation and technology leadership, TotalEnergies develops **a broad range of high quality petroleum products**. Each product is designed to suit customer specific needs for use in the harshest conditions.

TotalEnergies continuously **invests in R&D**, cooperates closely with equipment manufacturers, and carries out field tests to **improve product formulations**, to **ensure maximum performance**, and to **minimise customers' operating costs**.

## TotalEnergies

### By numbers



**5800**  
Employees



**130**  
Researchers



**160**  
Countries

# GREASES

## Innovation is at the core of our DNA

TotalEnergies Lubrifiants is a major, internationally recognized player in the development, production, and marketing of **a full range of high performance lubricating greases**.

With over 90 years of experience, TotalEnergies Lubricants offers a comprehensive range of innovative lubricating solutions. Our greases are engineered to withstand the extreme conditions of Off-Road applications, providing **optimal performance and reliability**.

## TotalEnergies Grease that are recommended for HD applications:

### MULTIS

**Multis range is a complete range of Lithium and Lithium Complex greases** covering automotive and industrial applications. From standard multipurpose to specialty greases, Multis is covering most of the needs in Off Road segment.

### CERAN

**Beyond premium greases.** At the cutting edge of sustainable technology. All in one product: Ceran is your best choice in severe lubricating conditions where water is omnipresent, in heavy load and high temperature environments.

### BIO-GREASES

**Bio-based and biodegradable solutions.** Synthetic ester-based Lithium greases with outstanding performance, especially for low temperature.

### LUBRILOG

Specialized in the conception of specialty lubricants, **Lubrilog offers full ranges of advanced solutions** to meet the demanding Lubricant needs of any industry. Thanks to a high-performance lubricants, Lubrilog offers the scope to improve the productivity and efficiency of the Off-Road equipment.

### COPAL

**Copal range consists of Aluminium complex greases.** This technology provides high temperature resistance, excellent adhesiveness and pumpability. Thanks to its specific performances, this range is dedicated to lubrication of specific application such as Open-Gear Lubrication and Hydraulic Breaker.

MULTIS RANGE

MULTIPURPOSE GREASES AND BEYOND

A complete range of lithium greases for the Off-Road applications. From standart multipurpose to specialty greases, available in a wide range of NLGI grades.

PRODUCT NAME	NLGI GRADE	STRENGTH	TEMPERATURE RANGE (°C)		BASE OIL VISCOSITY @40°C (CST)	LOAD RESISTANCE	WATER RESISTANCE	HIGH SPEED APPLICABILITY	APPROVED BY/ MEETS THE REQUIREMENTS/ SUITABLE FOR :	TYPICAL APPLICATIONS
MINERAL RANGE										
Multis EP	000, 00, 0, 1, 2, 3	Multipurpose EP grease	(-)35 to 120°C		150	..	..	...	80 plus approvals and recommendations	
Multis XHV 2	2	Extra High Viscosity (XHV)	(-)20 to 120°C		1300	...	...	.	Komatsu	
Multis MS 2	2	Molybdene disulfide boosted grease	(-)25 to 130°C		150	...	..	.	Pfeiffer Vacuum / Komatsu	
Multis HP Moly	0, 1, 2	Extreme load, shocks	(-)30 to 120°C		460	....	...	.	Liebherr / P&H / Komatsu / Hitachi / Volvo / Epiroc / Sandvik / JCB / Atlas Copco	
Multis HP Moly HD	0, 1, 2	Extreme load, shocks	(-)30 to 120 °C		460	.....	...	.	Caterpillar/ Liebherr/ P&H/ Komatsu/ Hitachi/ Volvo/ Epiroc/ Sandvik/ JCB/ Atlas Copco	
Multis Complex EP	1, 2, 3	Premium multipurpose grease	(-)20 to 160°C		165	..	..	..	Metso Outotec / Pfeiffer Vacuum / Thyssen Krupp / Voith Turbo	
Multis Complex MHD 220	2	Premium multipurpose grease	(-)20 to 160°C		220	..	...	..		
Multis Complex HV 2	2	Load, shocks	(-)30 to 160°C		340	...	...	.	Metso Outotec and Minerals / Loesche / Andritz / FLSchmidt	
Multis Complex HV Moly	0, 2	Extreme load, shocks	(-)40 to 160 °C		340	....	...	.	Liebherr / Voith Turbo	
Mutis Complex XHV 2 Moly	2	Extreme load, shocks	(-)20 to 160°C		800	....	...	.	Liebherr / P&H / Komatsu / Hitachi / Volvo / Epiroc / Sandvik / JCB / Atlas Copco	

SYNTHETIC RANGE

Multis Complex SHD 220	2	Extremely low temperature, heavy-duty	(-)50 to 160°C		220	...	...	...	Metso Outotec / Voith Turbo amd 452.1 / Danieli	
Multis Complex SHD 460	1.5		(-)40 to 160°C		460	...	...	..	Komatsu CLS / Sandvik Aubema / Danieli / Loesche	

BIO-GREASES

SUSTAINABILITY & PERFORMANCE

TotalEnergies Biogreases can provide a solution with low temperature, high-load resistance and biodegradable range.

SYNTHETIC RANGE

Biomultis EP	0, 1, 2	Biodegradable, medium load,low temperature	(-)50 to 160°C		150	..	...	...	ZAE	
Biomultis XHV 2	2	Biodegradable, extreme load, shock	(-)45 to 140°C		680	....	....	.	Liebherr / Cat / Komatsu / Hitachi / Volvo / Epiroc / Atlac Copco	



Gears



Bearings



Pin & Bushes



Swing gears



High loaded roller bearings



Couplings



Open gears



Fans



Crushers



Finishers














Multi Purpose Grease









# CERAN RANGE

A PROVEN TECHNOLOGY

A wide range of high performance calcium sulfonate complex greases.

PRODUCT NAME	NLGI GRADE	STRENGTH	TEMPERATURE RANGE (°C)		BASE OIL VISCOSITY @40°C (CST)	LOAD RESISTANCE	WATER RESISTANCE	HIGH SPEED APPLICABILITY	APPROVED BY/ MEETS THE REQUIREMENTS/ SUITABLE FOR :	TYPICAL APPLICATIONS
MINERAL RANGE										
Ceran XM 220	1.5	Extreme load, shocks, Water-resistance and corrosion resistance	(-)30 to 180°C		220	....	.....	•	Voith Paper / Rothe Erde / Kocks / Toscotec / SMS / Danieli / Danieli Fröhling / Bühler / Lemo / KHD	  
Ceran XM 220 Moly	1.5		(-)30 to 180°C		220	.....	.....	•	Hilleader / Quantong Paper / SLMC Paper	  
Ceran XM 460	1.5		(-)25 to 180°C		460	....	.....	•	Voith Paper / Danieli / SMS / Bühler / Allmineral / Polysius / Münch / Rothe Erde / Andritz Feed & Biofuel / Van Aarsen / Amandus Kahl	  
Ceran XM 460 Moly	1.5		(-)20 to 180°C		460	.....	.....	•	Caterpillar / Liebherr / P&H / Komatsu / Hitachi / Volvo / Epiroc / Sandvik / JCB / Atlas Copco	 

## SPECIFIC APPLICATIONS


Ceran AD Plus	0.5	Excellent adhesiveness, high load resistance	(-)20 to 150°C		>1700	....	....	•	Danieli	 
Ceran MS	1.5	Extreme pressure multipurpose grease adapted to very heavy loads and very high temperatures	(-)20 to 180°C		650	....	....	•	Sinoma / Danieli / SMS	
Ceran CA	0	Semi-fluid adhesive and extreme pressure grease for metal cables, rails, winches, chain	(-)25 to 150°C		325	....	....	•	Masa/Unimec	  

# COPAL

CUTTING-EDGE TECHNOLOGY FOR EXTREME APPLICATIONS

Designed to offer optimum protection in extreme conditions, thanks to its specific formula

## MINERAL RANGE

Copal Hammer Grease	2	High temperature, high load resistance, excellent adhesiveness	(-)25 to 1100°C		350	....	....	...	Montabert	
---------------------	---	--	-----------------	--	-----	------	------	-----	-----------	---



Gears



Bearings



Pin & Bushes



Swing gears



High loaded roller bearings



Closed gears



Chains



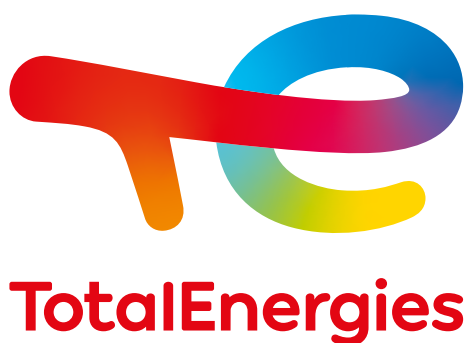
Winches



Wire rope



Hydraulic Breaker / Rock Breaker Jack Hammer



## TotalEnergies Lubrifiants

562 avenue du Parc de l'Île  
92029 NANTERRE Cedex  
FRANCE

Greases Range  
Brochure – 2024/12



[lubricants.totalenergies.com](https://lubricants.totalenergies.com)



TotalEnergies Construction & Earth-Moving Solutions

✉ [ms.industry@totalenergies.com](mailto:ms.industry@totalenergies.com)  
Safety Data Sheets are available at [ms-sds.totalenergies.com](https://ms-sds.totalenergies.com)