



COMANY PROFILE



ALPHA ENERGY PETROLEUM INDUSTRIES

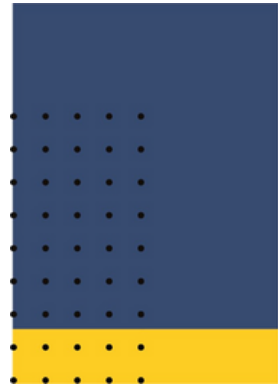
📍 OFFICE : 502 EL MOEZ TOWER , ELRIHANI ST, BANHA QALYUBIA , EGYPT
 🏭 FACTORY : P 4 BC AL-SHQR , KAHR SHUKR QALYUBIA , EGYPT

✉️ INFO@ALPHAENERGY.COM.EG / WWW.ALPHAENERGY.COM.EG

☎️ 00201070700725 - 00201070700726 - 00201070700728 - 0020132561618



TABLE OF CONTENT



03 Company Overview

04 Vision, Accreditation and services

05 The Power Of 4'th

06 Served Industries

07 Introduction And Products

08 - 018 Our Products

19 Packaging

ABOUT ALPHA ENERGY



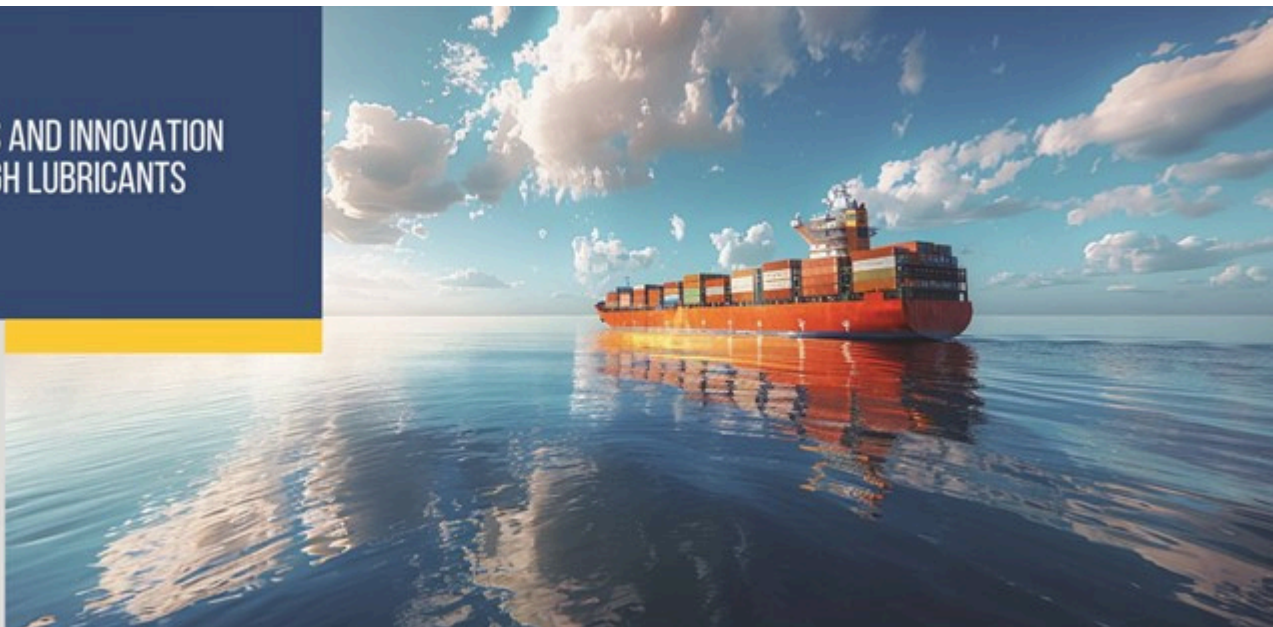
A BRIEF STORY ABOUT THE COMPANY

We are Alpha Energy for Petroleum Industries, an Egyptian company established in early 2023. We have diverse experiences and capabilities equivalent to 50 years of past and 50 years of future expertise. We possess special technology and techniques that make us distinguished in manufacturing various petroleum products, including :

**ENGINE OILS AND MARINE EQUIPMENT OILS ,
VARIOUS AUTOMOTIVE ENGINE OILS,
DIVERSE INDUSTRIAL OILS,
INDUSTRIAL GREASES**

which make us strong competitors to major global companies. We conduct realistic studies of local and global markets and have a vision for our future advancement in global petroleum product markets, especially in marine engine and equipment products.

BRINGING IDEAS AND INNOVATION
TO LIFE THROUGH LUBRICANTS



VISION

To become one of the top destinations for all industrial needs, no matter how varying, for our clients. our portfolio of trusted brand differentiate our solution, services, and industrial products

ACCREDITATION

We are an industrial company accredited by the Egyptian Ministry of Industry and Trade, and our products are also accredited by the Egyptian Ministry of Petroleum according to global API standards. We have obtained ISO 90012015/ certification and have an export license from the Egyptian General Petroleum Authority for all our products to offshore vessels and all ports and free zones within and outside Egypt to all countries of the world. We are in the process of obtaining permission to supply and refuel ships with various petroleum products.



OUR SERVICES

We provide our clients with all purchasing and transportation facilities, quality assurance, and technical support 24/7 for continuous assistance and support. We offer all solutions with absolute speed in delivering our products and completing all procedures. We can also package products under the names of other companies with licenses and global agencies. This and much more if you are looking for a new partner on the path to success.

THE POWER OF 4'TH

SUPPLY

To meet our clients' needs with great concern and punctuality, taking into consideration the value of time.

SOLUTION

Mutually working with our clients to reach optimal industrial solutions that optimize cost and quality through sustainable mechanisms

SUPPORT

Realizing that our commitment to present the most reliable products and solutions stems from the value of our clients, who we honor by solely operating with trusted manufacturers

SERVICES

Believe that the diversity in our services offers our customers integrated solution for their industrial needs from one destination





WIDE INDUSTRIAL SECTORS

MARINE



HEAVY FLEETS



TRAVEL AGENCIES



POWER SUPPLY



TEXTILE



**ELECTRO MECHANICAL
CONTRACTING**



OIL & GAS



PLASTIC INDUSTRY



ENGINEERING INDUSTRIES



CONCRETE BATCHING PLANTS

We excel in providing specialized lubrication solutions across numerous industries, catering to diverse needs with precision and expertise

INTRODUCTION AND PRODUCTS

ALPHA ENERGY PETROLEUM INDUSTRIES :

An Egyptian company based in Qalyubia , EGYPT , Governorate, works with Egyptian hands with common Russian expertise to manufacture and provide various petroleum products by applying the latest technology and innovative techniques in the world to ensure the best characteristics and specifications that meet the needs of customers in the local and global market of various.

PETROLEUM PRODUCTS SUCH AS..

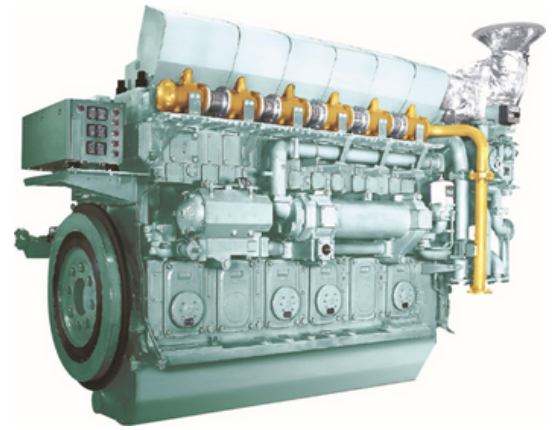
ALPHA ENERGY PETROLEUM PRODUCTS GROUP	
MARINE LUBRICANTS	Cylinder oils, Trunk piston oils and Marine system oils
ENGINE LUBRICANTS	Diesel engine oils and Gas engine oils
HYDRAULIC LUBRICANTS	Hydraulic oils for industrial machinery and equipment
TURBINE LUBRICANTS	Turbine oils for industrial machinery and equipment
COMPRESSOR LUBRICANTS	Compressor oils for industrial machinery and equipment
GEAR LUBRICANTS	Gear oils for industrial machinery and equipment
GREASE	High temperature grease and Calcium Sulfonate grease



MARINE LUBRICANTS

ALPHA MARINE CYLINDER LUBRICANTS

Alpha Energy Group Marine Cylinder Oils (50/25 - 50/40 -50/55 - 50/70 - 50/100) has high acid neutralization, which ensures excellent potency Maintains the protection of marine cylinders over long periods from using residual high-sulfur fuel, which prevents Corrosion due to the formation of sulfuric acid. which prevents the wear and tear of the roller, This it can extend the life of the engine and reduce the chances of maintenance



DESCRIPTION OF CYLINDER OIL

Alpha Energy's innovative range of marine cylinder oils is suitable for two-stroke diesel engines Our full range of marine cylinder oils are designed to be simple, useful and able to reduce the risk of engine failure

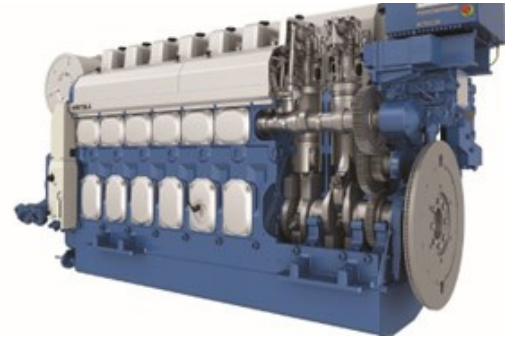
TYPICAL CHARACTERISTICS

CYLINDER OILS		MC50/25	MC50/40	MC50/55	MC50/70	MC50/100
	SAE GRADE	50	50	50	50	50
	ASTM METHOD	TYPICAL VALUES				
DENSITY @ 15 °C, G/ML	D 1298	0.885	0.887	0.887	0.890	0.893
APPEARANCE	VISUAL	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
FLASH POINT, °C	D 92	> 200	>220	> 220	> 220	>220
POUR POINT, °C	D 97	> -18	> - 18	> -18	> -18	> -18
VISCOSITY @ 100°C, CST	D 445	17.5-19.5	17.5 - 19.5	17.5 - 19.4	17.5 - 19.9	17.5 - 19.4
VISCOSITY INDEX	D 2270	> 98	> 98	>98	>98	>98
TBN, MG KOH/G	D 2896	25	40	55	70	100
FOAM	D 892	0/0	0/0	0/0	0 0	0/0

ALPHA MARINE TRUNK PISTON ENGINE OILS

OUR MARINE ENGINE OILS ARE SUITABLE FOR LUBRICATION OF :

- 4-Stroke single-fuel diesel engines
- 4-Stroke dual-fuel diesel engines
- Stern bearings and pipes
- Reduction gears



Marine piston oils provide marine companies with high safety margins and high levels of engine cleanliness

DESCRIPTION OF TRUNK PISTON OILS

THE ALPHA ENERGY range of marine piston oils is suitable for four-stroke high and medium speed diesel engines on both land and sea. The range is compatible with all major fuels including high and low sulfur fuel oil (HSFO and LSFO), liquefied natural gas, distillate, marine diesel oil and gas oil.

TYPICAL CHARACTERISTICS

MARINE TRUNK PISTON ENGINE OIL		30/12	30/15	30/20	30/30	40/12	40/15	40/20	40/30	40/40
	SAE GRADE	30	30	30	30	40	40	40	40	40
	ASTM METHOD	TYPICAL VALUES								
DENSITY @ 15 °C, G/ML	D 1298	0.889	0.891	0.894	0.898	0.896	0.897	0.903	0.905	0.907
APPEARANCE	VISUAL	CLEAR	CLEAR		CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
FLASH POINT, °C	D 92	>220	>220	>220	>220	>220	>220	>220	>220	>220
POUR POINT, °C	D 97	-18	-18	-18	-18	-18	-18	-18	-18	-18
VISCOSITY @ 100°C, CST	D 445	11	10.9	11.1	11.4	14.5	14.4	14.3	14.4	14.5
VISCOSITY INDEX	D 2270	> 98	>98	>98	>98	>98	>98	>98	>98	>98
TBN, MG KOH/G	D 2896	12	15	20	30	12	15	20	30	40
FOAM	D 892	0/0	0/0		0/0	0/0	0/0	0/0	0/0	0/0

ALPHA MARINE SYSTEM OILS

The presence of water in lubrication circuits in this equipment is almost inevitable. That is why ALPHA MS oil has been strengthened with emulsifying additivation, thanks to which the water and oil are maintained in a single phase, so the circuit always has oil, thus preventing the pump from delivering only water to the lubricant circuit. Oil that is strengthened to form a protective film that maintains lubrication, protecting the equipment against rust in the presence of humidity. It stands out for its excellent adherence, high emulsifying capacity, resistance to being washed with water and high anti-wear power for preventing metal-to-metal contact.

TYPICAL CHARACTERISTICS

LUBRICANTS	TEST METHODS	OPTIMA D 2005	OPTIMA D 3005	OPTIMA D 4005	15W40
SAE / ISO	-	20	30	40	CI4
BN mg KOH/g	ASTM D 2896	5	5	5	12.8
Density Kg/m ³ 15°C - 20°C	ISO 3675	890-887	900-897	900-897	0.8836
Viscosity mm ² /s 100°C	ISO 3104	8.8	11.5	14.8	18.32
Pour point °C	ISO 3016	-6	-6	-6	-12
Flash point °C	ISO 2592 ASTM D 92	>220	>220	>230	226



ALPHA ENGINE LUBRICANTS

Alpha Motor Engine Oils are formulated from the finest base oils with high-performance additives to provide high-quality protection and lubrication for the internal engine parts of passenger cars and heavy-duty vehicles. It is also designed to provide triple protection to preserve the engine and oil durability, helping to reduce maintenance and increase vehicle reliability. It also meets the requirements of Korean, Japanese, European, and American car manufacturers.

Alpha Oils Compliant with Egyptian specifications and American Petroleum Institute specifications

ALPHA ENERGY MOTOR ENGINE OILS	
ALPHA APEX	15W40
ALPHA DIAMOND	20W50
ALPHA PROVAC	MONO CF
ALPHA TOTEC	MONO CD



TESTS	TEST METHODS	15W40	20W50	MONO CF	MONO CD
GRADE		API CI4/SL	API CH4/SL	SAE 50 API CF	SAE 50 API CD
Density @ 15°C	ASTM D4053	0.8836	0.8836	0.886	0.8796
Appearance	VISUAL	CLEAR	CLEAR	CLEAR	CLEAR
Colour	ASTM D1500	2	2
Pour point °C	ASTM D97	-12	-12	-9	-12
Flash point °C	ASTM D 92	226	226	278	228
KIN.Viscosity @100c	ASTM D7042	18.32	18.32	19.7	21.35
KIN.Viscosity @40c	ASTM D7042	148.2	148.2	200	..
Viscosity index	ASTM D2270	138	138	99	..
CCS@-20	ASTM D664	4964	4964
Foam Test	ASTM D892	0/0	0/0	0/0	0/0
TBN	ASTM D2896	12.8	10.8	10	6
Water Content	ASTM D6304	NILL	NILL	NILL	NILL



ALPHA HYDRAULIC OILS

mineral lubricants undergo a precise refining process to enhance their antioxidant capacity, thus ensuring a longer life in facilities without degrading added oil with viscosity index improvers to ensure correct operation in applications where sudden temperature changes may occur in working conditions This lubricant set is suitable for hydraulic circuits exposed to elements or with low working temperatures, as well as

hydraulic systems used in the sea weatherproof, covers and lever, fasteners, etc. Its special additives give it an excellent demulsifying property in case of seawater pollution, as well as enhance its corrosion-resistant properties and thus be your perfect choice.

DESCRIPTION OF HYDRAULIC OILS

Alpha Energy hydraulic fluids for marine applications ensure equipment lubrication, durability and reliability, corrosion resistance, oxidation resistance, corrosion protection, excellent water separation, and high viscosity index properties make all our products in many cases exceed requirements in global standards.

TYPICAL CHARACTERISTICS

HYDRO SERIES	TEST METHODS	HYDRO 15	HYDRO 32	HYDRO 46	HYDRO 68	HYDRO 100
ISO	ASTM METHOD	15	32	46	68	100
Viscosity @ 40°C, cst	D 445	12-17	32.2	46.5	68.9	98.6
Viscosity index	D 2270	>160	>160	>160	>160	>160
Flash point °C	D 92	160	200	220	>220	>220
Pour point °C	D 97	-42	-39	-33	-30	-30
Zn	E 536	0.024	0.024	0.024	0.024	0.024
Foam Test	D 892	50/0.50/0.50/0	50/0.50/0.50/0	50/0.50/0.50/0	50/0.50/0.50/0	50/0.50/0.50/0
Density @ 15°C, g/ml	D 1298	0.855	0.861	0.855	0.858	0.861



ALPHA TURBINE OILS

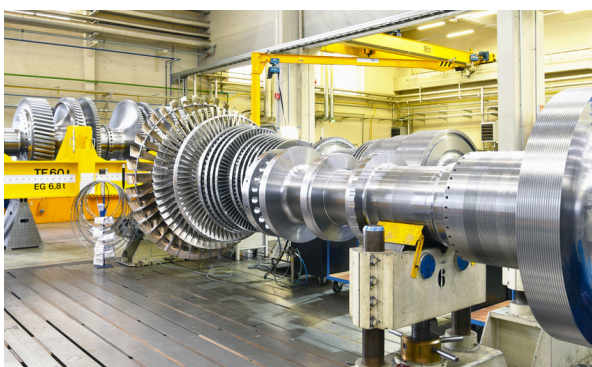
Lubricant specially designed for cylinders and rotary or reciprocating compressor mechanisms, whether air or inert gas, with high discharge temperatures up to 220 0 C.Its excellent antioxidant power improves its performance which helps to better lubricate the equipment, preventing valve clogging and sticking. As a result of the addition and quality of the metal bases selected for its composition, it is a lubricant suitable for use in screw compressors that do not operate at high temperatures and for lubricating large reciprocating compressor cylinders.

DESCRIPTION OF TURBINE OILS

Our turbine oils (are composed of high-quality mineral oil with specific high-performance, antioxidant and anti-corrosion additives, designed to lubricate screw compressors and reciprocating air with high discharge temperatures, which prevents carbon accumulation and allows the oil air to be separated well

TYPICAL CHARACTERISTICS

TURBINE		TURBINE		
	ISO VISCOSITY GRADE	46	68	100
	ASTM METHOD	TYPICAL VALUES		
DENSITY @ 15 °C, G/ML	D 1298	0.855	0.858	0.861
VISCOSITY @ 40°C, CST	D 445	46.5	68.9	98.6
FOAM TEST	D 892	50/0.50/0.50/0	50/0.50/0.50/0	50/0.50/0.50/0
AIR RELEASE	D 3427	< 5 MIN	< 5 MIN	< 10 MIN
POUR POINT°C	D 97	- 30 MAX	- 30 MAX	- 30 MAX
Total Acidity mgKOH/g	ARP - 5088	1.00 MAX	1.00 MAX	1.00 MAX



ALPHA COMPRESSOR OILS

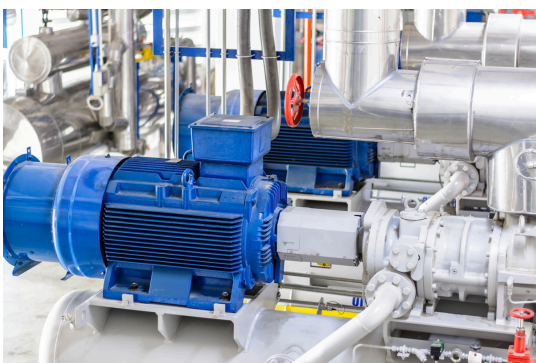
It is a lubricant specially designed for cylinders and rotary or reciprocating compressor mechanisms, whether it is inert air or gas, with high discharge temperatures up to 220 °C which helps to better lubricate equipment, preventing valve clogging and sticking. As a result of the addition and quality of the metal bases chosen for its composition, it is a lubricant suitable for use in screw compressors that do not operate at high temperatures and for lubricating large reciprocating compressor cylinders.

DESCRIPTION OF COMPRESSOR OILS

A Mineral oil with specific high-performance additives, antioxidant and anti-wear, designed to lubricate screw and reciprocating air (68, 100, 150 , 3000) compressors with high discharge temperatures. It prevents carbon build-up and the formation of varnishes and allows good air/oil separation.

TYPICAL CHARACTERISTICS

COMPRESSOR OIL		46	68	100	150	TITAN3000
	ISO VISCOSITY GRADE					
	ASTM METHOD	TYPICAL VALUES				
DENSITY @ 15 °C, G/ML	D 4052	0.885	0.885	0.890	0.892	0.885
APPEARANCE	VISUAL	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
VISCOSITY @ 40°C, CST	D 445	46	68	100	150	46
FLASH POINT, °C	D 92	>220	>220	>220	>200	>230
POUR POINT, °C	D 97	> -21	> - 21	> -21	> -21	> - 27
FOAM TEST	D 892	50/0.50/0.5 0/0	50/0.50/0.50 /0	50/0.50/0.50 /0	50/0.50/0.50/ 0	50/0.50/0.5 0/0
WATER SPARABILITY (MINS)	D 1401	15	15	15	15	15
RPVOT	D 2272	700
CARBON CONRAD SON RESIDUE	NFT 60116	0.11	0.11	0.04	0.11	0.02



ALPHA GEAR OILS

Gear oil provides optimal lubrication for gears operating under extremely harsh load and temperature conditions. It is characterized by its excellent resistance to oxidation and high resistance to the work of machinery and equipment with high capacity. And its excellent ability to separate water in case of pollution, makes this lubricant ideal for working in all marine equipment exposed to harsh lubrication conditions, meaning that it provides excellent protection in the marine environment.

DESCRIPTION OF GEAR OILS

Alpha Energy gear oils are manufactured to withstand maximum resistance, corrosion protection and safety of all machinery on marine vessels that need to add extreme pressure to withstand high loads in harsh services to maximize the technical performance of your machines

TYPICAL CHARACTERISTICS

GEAR OIL		68	100	150	220	320	460
	SAE Grade	68	100	150	220	320	460
	ASTM Method	Typical values					
Viscosity @ 40°C, cSt	D445	68	100	150	220	320	460
Foam test	D 892	50/0.50/0.50/0	50/0.50/0.50/0.5	50/0.50/0.50/0	50/0.50/0.50/0.5	50/0.50/0.50/0	50/0.50/0.50/0
Flash Point, °C	D 92	> 220	> 220	> 220	> 230	> 230	> 230
Pour Point, °C	D 97	-18	-18 MAX	-18 MAX	-18 MAX	-18 MAX	-18 MAX
Density @ 15 °C, g/ml	D 1298	0.881	0.885	0.885	0.902	0.898	0.911



ALPHA GEAR OILS SAE (90, 140)

Gear oil SAE (90, 140) provides optimal lubrication for gears operating under extremely harsh load and temperature conditions. It is characterized by its excellent resistance to oxidation and high resistance to the work of machinery and equipment with high capacity. And its excellent ability to separate water in case of pollution, makes this lubricant ideal for working in all marine equipment exposed to harsh lubrication conditions, meaning that it provides excellent protection in the marine environment.

DESCRIPTION OF GEAR OILS

Oils formulated for high speeds, high torque, and heavier loads. Increased protection and resistance to high temperatures means reduced maintenance costs and longer equipment life.

TYPICAL CHARACTERISTICS

TESTS	TEST METHODS	SAE 90	SAE 140
Density @ 15°C	ASTM D4053	0.8544	0.8744
Pour point °C	ASTM D97	-6	-12
Flash point °C	ASTM D 92	190	222
KIN.Viscosity @100c	ASTM D7042	17.5	30.5
KIN.Viscosity @40c	ASTM D7042	198	490
Viscosity index	ASTM D2270	95	95



ALPHA GREASE

ALPHA High Temperature Grease

Description And Specifications :

GRADE NLGI2

A complex synthetic grease with superior performance in extreme heat and contact with salt water, acids, and various chemicals, making it the ideal choice for special industrial applications. Thickened with an inorganic thickener for stability. Extreme pressure additives ensure durability under pressure. Resistant to high and low temperatures for multiple uses. Excellent resistance to fresh water, salt water, rust, and oxidation. Begins to drip at temperatures above 450 degrees. Operating temperature range: 30 to +600 degrees Celsius.



Recommendations :

This product is primarily recommended for lubricating bearings and friction parts of high-temperature and heavy-duty equipment such as vessels and ships operating in high humidity and acidic environments, and primarily in contact with saline seawater. It is also recommended for use in the cement, ceramics, glass, textiles, and metals industries. For example, bearings in kilns, bearings and chains in baking equipment and ovens, wheels in baking machines, in the production of dry operating equipment, wheels, as well as in dry hydraulic machines.

Item	Quality Index	Testing Method
Appearance	Black smooth uniform ointment	SH/T0109
Working penetration,0.1mm	275	GB/T269
Drop point	None	GB/T3498
Corrosion	Copper no green or black changing	GB/T4929
Steel wire mesh oil separation	1	SH/T0324
Corrosion resistance(52°C,48h)	Qualified	QB/T5018

The physical property values above are typical of normal production and may vary.

ALPHA GREASE

ALPHA Calcium Sulfonate Grease

GRADE NLGI3

ALPHA TEC CSC grease is made from a mineral oil with high heat and viscosity, and from a soap base with a complex and distinctive chemical compound.

Features high-efficiency extreme pressure anti-wear agents;

Drop point exceeds 270°C for reliable performance;

Operating temperature range: -30~280°C

Complies with Q/SHZT0501 executive standards for excellence;

Provides excellent high-temperature adhesion for durability;

Delivers outstanding extreme pressure and wear resistance;

Ensures good colloidal and mechanical stability for consistent performance;

Offers superior water resistance and protection against corrosion.



Recommendations :

This product is suitable for large heavy-duty trucks, high-speed cars, metallurgy industry continuous casting machine, continuous rolling mill, sintering machine, steel rolling table, printing and dyeing, large motor, rubber, plastic hot rolling mill, cement industry, kiln car and other high-temperature, heavy load mechanical equipment friction parts lubrication.

Item	Quality Index	Test Method
Working Penetration, 0.1mm	220~250	GB/T269
Dropping point, °C ≥	300	GB/T3498
Corrosion (T2 copper, 100°C, 30h)	The copper sheet has no green or black change	GB/T7326
Steel mesh oil separation (100°C, 24h) /% ≤	3	SH/T0324
Evaporation (99°C, 22h) /% ≤	5	SH/T0337
Water Loss (38°C, 1h) /% ≤	5	SH/T0109
Fluid-loss test (104°C, 6h) g ≤	2.5	SH/T0326
Extended working cone penetration (100000 times) /change rate% ≤	10	GB/T269
Anti-corrosion resistance (52°C, 48h)	Qualified	GB/T5018

The physical property values above are typical of normal production and may vary.

PACKAGING

Products	Bulk	IBC	Drum 200L	PAIL 20L	WorldWide Shipping
Marine Cylinder Lubricant					
ALPHA MC5/25	✓	✓	✓		☒
ALPHA MC50/40	✓	✓	✓		☒
ALPHA MC50/55	✓	✓	✓		☒
ALPHA MC50/55	✓	✓	✓		☒
ALPHA MC50/70	✓	✓	✓		☒
ALPHA MC50/100	✓	✓	✓		☒
Alpha Marine Trunk Piston Engine Oil					
ALPHA ME 30/12	✓	✓	✓		☒
ALPHA ME30/15	✓	✓	✓		☒
ALPHA ME302/0	✓	✓	✓		☒
ALPHA ME30/30	✓	✓	✓		☒
ALPHA ME40/12	✓	✓	✓		☒
ALPHA ME40/15	✓	✓	✓		☒
ALPHA ME40/20	✓	✓	✓		☒
ALPHA ME40/30	✓	✓	✓		☒
ALPHA ME40/40	✓	✓	✓		☒
ALPHA ME50/15	✓	✓	✓		☒
Alpha Turbine Oil					
ALPHA MT32	✓	✓	✓		☒
ALPHA MT46	✓	✓	✓		☒
ALPHA MT68	✓	✓	✓		☒
ALPHA MT100	✓	✓	✓		☒
Alpha Compressor Oil					
ALPHA MC68	✓	✓	✓		☒
ALPHA MC100	✓	✓	✓		☒
ALPHA MC150	✓	✓	✓		☒
Alpha Hydraulic HVI Oil					
ALPHA MH15	✓	✓	✓		☒
ALPHA MH32	✓	✓	✓		☒
ALPHA MH4	✓	✓	✓		☒
ALPHA MH100	✓	✓	✓		☒
Alpha Gear Oil					
ALPHA WMG 100	✓	✓	✓		☒
ALPHA WMG150	✓	✓	✓		☒
ALPHA WMG 200	✓	✓	✓		☒
ALPHA WMG 320	✓	✓	✓		☒
ALPHA WMG 460	✓	✓	✓		☒



THANK YOU



BECAUSE, WE'RE HERE TO HELP

We have the ability to provide high-quality lubricants through our team of technical and engineering specialists to develop solutions and recommendation that suit your specific use. We leverage our deep knowledge and experience in lubrication technologies by providing value-added technical marine equipment lubrication service, where each product is continuously optimized by our local engineers and researchers, as well as our foreign experts in the refining process and the production of ideal petroleum product, to ensure optimal technical and environmental efficiency and quality for precision marine machinery and equipment in contact with water.



Sales Manager of Egypt
Aisa Sabrey

 **ADDRESS:** Ghali EL-Gzar Twoer - Benha - AL-Vilal.

 **TELEPHONE:** 20+ 132561618
+02 0107 070 0725
+02 0107 070 0726

 **WEBSITE:** INFO@ALPHAENERGY.COM.EG



Sales Manager of UAE
Aasem Magdy

 **ADDRESS:** Business Bay Area - Square Tower 22R - Office 1112

 **TELEPHONE:** +97156774959
+97156774959

 **WEBSITE:** MOHAMED7LAW7M@GMAIL.COM



FUELING PERFORMANCE,
PROTECTING ENGINES – YOUR
TRUSTED LUBRICATION PARTNER