



SAUDITM

Lubricants

ভাবনাহীন পথ চলায়



SAUDI MX ULTRA 4T API SN

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Product Description:

SAUDI MX Ultra 4T motorcycle oil is a multi-grade lubricant designed for four-stroke motorcycle engines. It contains a balanced blend of a specially selected synthetic base, high viscosity index base stocks and a special proprietary additive package. SAUDI MX Ultra 4T motorcycle oil is engineered to provide unsurpassed wear protection, engine cleanliness and oxidation resistance, as well as consistent viscosity.

SAUDI MX Ultra 4T is a powerful detergent type of motor oil. It can be used in most 4T engines including Yamaha, Honda, Kawasaki, Suzuki, and Kubota.

Applications / Benefits:

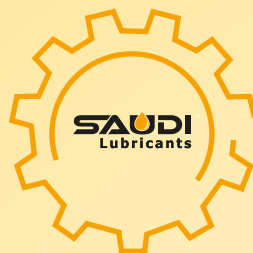
- Reduces engine wear and extends engine life.
- Protects engine under severe operating conditions.
- Retards harmful deposit formation on vital engine parts.
- Protects against rust and corrosion.

TYPICAL CHARACTERISTICS:

Test Description	Method				
SAE Viscosity Grade	SAE J300	10W 30	15W 40	20W 40	20W 50
Specific Gravity @15°C	ASTM D 4052	0.868	0.878	0.885	0.885
Flash Point, °C	ASTM D 92	212	220	232	235
Pour Point, °C	ASTM D 97	-33	-30	-21	-24
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	75.5	106.4	138.4	172
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	11.5	14.5	15.45	19.5
Viscosity Index	ASTM D 2270	145	140	115	130
TBN, mgKOH/g	ASTM D 2896	7.5	7.5	7.5	7.5
Color	ASTM D 1500	<3.0	<3.0	<3.0	<3.0

20W50	20W40	Size
852011	852130	208 Ltr.
852105	852132	1 Ltr.





SAUDI MX Super 4T

Product Description:

SAUDI MX 4T motorcycle oil is a economic 4 stroke motorcycle oil specially formulated with premium grade paraffinic mineral oil.

SAUDI MX 4T motorcycle oil viscosity is optimized to enhance its performance at high temperature. With its nature high viscosity index, SAUDI MX 4T motorcycle oil gives better viscosity response towards temperature changes and therefore the engines can start much easier and oil can reach critical engine parts faster when the engine starts.

SAUDI MX Super 4T motorcycle oil comes in SAE viscosity grade, It can be used in small and light duty 4-stroke motor-cycle engine.

Applications / Benefits:

- Promotes engine protection.
- Recommended for 4 stroke motorcycle engine.
- Good in value product.

TYPICAL CHARACTERISTICS:

Test Description	Method				
SAE Viscosity Grade	SAE J 300	40	50	15W40	20W50
Specific Gravity @ 15 °C	ASTM D 4052	0.888	0.895	0.878	0.890
Flash Point, °C	ASTM D 92	235	245	220	238
Pour Point , °C	ASTM D 97	-9	-9	-24	-18
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	143	221	108	176
cSt @ 100°C	ASTM D 445	14.5	19.2	14.3	19.5
Viscosity Index	ASTM D 2270	100	98	135	127
Color	ASTM D 1500	<3.0	<3.5	<2.5	<3.0

852132	4T Synthetic 20W40 API SN JASO MA2	1 L
852105	4T SAE 20W50	1 L
852702	4T SAE 10W30 API SN/ JAS-	1 L
875052	4T SAE 20W50 API SN JASO MA	1 L
875053	4T SAE 10W30 API SN JASO MA	1 L
875964	Extreme 4T 20W40 API SN JASO MA2 TIN	1 L
875965	4T 20W50 API SG JASO MA2 TIN	1 L



SAUDI GOLD PEO

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Product Description:

SAUDI GOLD Semi Synthetic Engine Oil is a new passenger car motor oil that delivers the latest development of lubricating oil technology to maximize protection for the newest gasoline fueled engines. It meets the highest performance level of API SN and exceeds the most demanding requirements of modern engine's emission control and oil consumption standards. In today's energy conscious era, SAUDI GOLD PEO is also formulated to improve fuel efficiency for consumers.

Applications / Benefits:

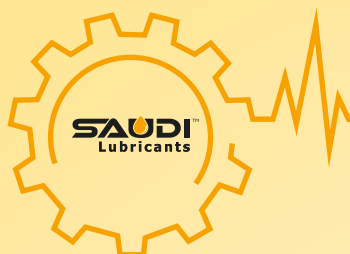
- Exceeds the highest U.S lubricating oils standard for gasoline and LPG/CNG engines.
- Silky smooth operation for all high performance engines.
- Increases emission system durability and improves fuel efficiency.
- Improves piston cleanliness and increases engine sludge protection.
- Increase wear protection and extends service life.

TYPICAL CHARACTERISTICS:

Test Description	Method			
SAE Viscosity Grade	SAE J 300	20W 40	15W 40	20W-50
Specific Gravity @15°C	ASTM D 4052	0.885	0.878	0.871
Flash Point, °C	ASTM D 92	232	220	235
Pour Point, °C	ASTM D 97	-21	-30	-24
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	138.4	106.4	149
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	15.45	14.5	18.4
Viscosity Index	ASTM D 2270	115	140	138
TBN, mgKOH/g	ASTM D 2896	7.5	7.5	6.5
Color	ASTM D 1500	<3.0	<3.0	<3.5

20W50	Size
852012	208 L
820315	5 Ltr.
852106	4 Ltr.
852107	1 Ltr.





SAUDI GOLD DEO

Product Description:

Today's technology trend of diesel engine is towards more environment conscious products with less gas emission and longer overhaul period. Coming along with these development, new devices like the Exhaust Gas Recirculation (EGR) rely much more on the performance of the engine oil being used. SAUDI GOLD DEO, using only the hydro-treated base oil to maximize the protection under severe operating conditions, is well positioned to address those needs.

Blended from hydro-treated base stocks and a high technology core additive package, SAUDI GOLD DEO is truly a universal heavy duty diesel oil meeting the stringent European ACEA standard as well as American API performance. This means SAUDI GOLD DEO is simply the top player for both the modern North American engines and the top-tier West European engines.

Applications / Benefits:

- Minimizes oil consumption.
- Satisfying most diesel engine OEM oil demands.
- Hydro-treated base, inherent thermal-stability and anti-oxidation property.
- Particular suitable for the modern diesel equipped with EGR.

Specifications, Approvals & Recommendations:

API CI4/SL, Mercedes-Benz 228.3, Mercedes-Benz 229.1, ACEA A3 / B4, ZF TE-ML-04C, Caterpillar ECF-2, JASO DH-1, Mack EO-L / EO-M / EO-M Plus / EO-N, MTU Type 2, Renault Truck RLD/RLD-2, Allison C-4, VOLVO VDS 3, MAN 270 / 271, MAN M3275, ACEA E3 / E5 / E7, GLOBAL DHD-1, CUMMINS 20071 / 20072, CUMMINS 20076 / 20077 / 20078, Detroit Diesel DDC 93K215, VW 505

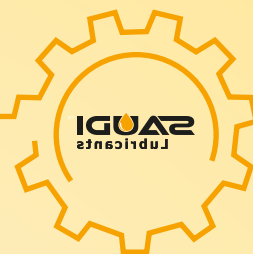
TYPICAL CHARACTERISTICS:

Test Description	Method	15W40	20W50
SAE Viscosity Grade	SAE J300	15W40	20W50
Specific Gravity @15°C	ASTM D 4052	0.879	0.883
Flash Point, °C	ASTM D 92	230	238
Pour Point, °C	ASTM D 97	-27	-21
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	113.8	177.7
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	15.1	19.2
Viscosity Index	ASTM D 2270	138	124
TBN, mgKOH/g	ASTM D 2896	10	10
Color	ASTM D 1500	≤ 3.0	≤ 3.0

15W40	20W40	Size
820101	821941	208 Ltr.
820102	821900	20 Ltr.
852096	852278	5 Ltr.
852097	852279	4 Ltr.
852098	852280	1 Ltr.



SAUDI BRAKE FLUID DOT 4



Product Description:

SAUDI BRAKE FLUID DOT 4 is engineered for all disc and drum type brake systems, which call for DOT 4 or DOT 3 performance. It is formulated as a high quality glycol and glycol ether fluid. United Glycol Brake Fluid DOT 4 is formulated to give extreme temperature performance, which greatly reduces the tendency to vaporize at elevated temperatures, which are common in modern braking systems. This increased boiling resistance and provides an extra margin of safety over conventional brake fluids.

SAUDI BRAKE FLUID DOT 4 is a highly stable product and maintains its superior protective qualities over long service and extreme conditions. This fluid functions consistently, whether the vehicle is operating in bitter, arctic cold or extreme desert heat. In addition, this product exhibits excellent lubricity and corrosion control and is safe to all materials used in vehicle braking systems.

Applications / Benefits:

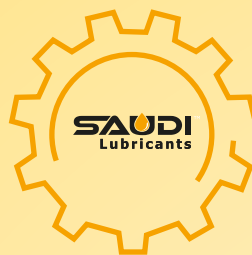
- Safe to mix with conventional brake fluids.
- All season protection.
- High and low viscosity.
- Compatible with low viscosity control.

TYPICAL CHARACTERISTICS:

Test Description	Method	
Equilibrium Reflux Boiling Point, @ °C	FMVSS-116	270
Wet E.R. Boiling Point, @ °C	FMVSS-116	165
Kinematics Viscosity @ -40°C (cSt)	ASTM D-445	1150
Kinematics Viscosity @ 100°C	ASTM D-445	2
Effect on brake cups @ 70°C	FMVSS-116	NIL
Effect on rubber @ 120°C	FMVSS-116	NIL
Specific Gravity @ 15°C	ASTM D4052	1.1085
Color	ASTM D 1500	Neutral

821932	215 Ltr.
852100	20 Ltr.
852101	1 Ltr.
852171	500 ml





Automatic Transmission Fluid Type T-IV

Product Description:

SAUDI ATF T-IV is a premium synthetic automatic transmission fluid. It is formulated with selected high viscosity index synthetic base stocks and latest additive technology available allowing very high performance needed for the demanding requirements of passenger cars automatic gearboxes. SAUDI ATF T-IV can be used in a broad range of automatic transmission standards and provides excellent service in a wide variety of North American, European, and Asian vehicles. It's particularly suitable for 4 and 5 speeds automatic transmissions.

SAUDI ATF T-IV is recommended for use in all GM vehicles DII, DIII(G), DIII(H). It exceeds the published JASO 1A, Ford M and Allison C-4 fluid specifications and meets the requirements of Toyota Type T-IV level of anti-shudder durability (ASD).

Applications / Benefits:

- Provides excellent friction, oxidation and thermal stability.
- Outstanding anti-wear properties.
- Improves hydrolytic stability.
- Better cold temperature flow properties than SAE 10W motor oil.

TYPICAL CHARACTERISTICS:

Test Description	Method	
Specific Gravity @ 15 °C	ASTM D 4052	0.853
Flash Point, °C	ASTM D 92	198
Pour Point, °C	ASTM D 97	-45
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	35.38
cSt @ 100°C	ASTM D 445	6.86
Viscosity Index	ASTM D 2270	157
Color	ASTM D 1500	Red

ATFIIIIH	Size
875984	1,800



SAUDI ATF

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Product Description:

Saudi Automatic Transmission Fluids are a series new generation petroleum based product for automatic and power shift transmissions. The highest level product of ATF are suitable for use both GM Dexron III with 6297-M and Ford Mercon specification M2C185A. In addition, it also meets Allison C-4 fluid and is qualified as a PSF specification.

Saudi Automatic Transmission Fluids are recommended for mobile equipment used by utility companies, which require electrical insulating properties for hydraulic oils. Saudi Automatic Transmission Fluids provide superior wear protection for all passenger car and light trucks requiring the use of TASA, Dexron II D, Dexron II E or Dexron III G/H/M ATFs. As well as the products are recommended for use by Volkswagen, Subaru, Isuzu, Fiat, Audi, Renault, Porsche and Mercedes Benz.

Applications / Benefits:

- Provides excellent friction, oxidation and thermal stability.
- Outstanding anti-wear properties.
- Improves hydrolytic stability.
- Better cold temperature flow properties than SAE 10W motor oil.

ATFIIIH	Size
821933	208 L
852102	20 Ltr.
852103	5 Ltr.
852104	1 Ltr.

TYPICAL CHARACTERISTICS:

Test Description	Method	TASA	II	III
Specific Gravity @ 15 °C	ASTM D 4052	0.856	0.854	0.853
Flash Point, °C	ASTM D 92	200	198	194
Pour Point, °C	ASTM D 97	-33	-36	-45
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	40.7	39.6	35.9
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	7.52	7.41	6.92
Viscosity Index	ASTM D 2270	154	155	156
Appearance	Visual	Red	Red	Red





FULLY SYNTHETIC INDUSTRIAL GEAR & BEARING OIL

Product Description:

Saudi Fully Synthetic Industrial Gear & Bearing Oil are formulated with proprietary synthetic poly alpha olefin (PAO) base and ester technology with performance additives that enhance oxidation stability, improve foam control, maintain superior stability in the presence of water and provide protection against rust, corrosion and wear. Synthetic base oils provide longer oil life over conventional mineral oils.

Application/Benefit:

- Naturally high viscosity index, improved low-temperature fluidity, lower operating temperature.
- Superior anti-wear properties, low traction coefficient, reduced power consumption.
- Better high-temperature oxidation stability, extended lubricant life.
- Improved foam control, superior stability in presence of water.

TYPICAL CHARACTERISTICS:

Test Description	Method						
ISO Viscosity Grade	-	68	100	150	220	320	460
Specific Gravity @ 15 °C	ASTM D 4052	0.858	0.861	0.865	0.871	0.860	0.876
Flash Point, °C	ASTM D 92	234	235	235	235	255	265
Pour Point, °C	ASTM D 97	-48	-45	-42	-42	-39	-39
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	66	97	151	222	321	456
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	10.3	13.7	19.7	25.8	35.2	47.4
Viscosity Index	ASTM D 2270	144	144	145	148	155	162
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Code	Grade	Size
821948	Popular HD 320	208L
821947	Popular HD 220	208L
852307	Popular EP 90	20L
821944	Popular EP 90	208L
852087	Popular EP 140	5L
821946	Popular EP 140	20L

Code	Grade	Size
821945	Popular EP 140	208L
852088	Popular EP 140	1L
852258	Popular EP 140	4L
820011	EP 320	200L
852099	EP 220	20L
820937	EP 220	200L





FULLY SYNTHETIC INDUSTRIAL GEAR & BEARING OIL

Product Description:

Saudi Fully Synthetic Industrial Gear & Bearing Oil are formulated with proprietary synthetic poly alpha olefin (PAO) base and ester technology with performance additives that enhance oxidation stability, improve foam control, maintain superior stability in the presence of water and provide protection against rust, corrosion and wear. Synthetic base oils provide longer oil life over conventional mineral oils.

Application/Benefit:

- Naturally high viscosity index, improved low-temperature fluidity, lower operating temperature.
- Superior anti-wear properties, low traction coefficient, reduced power consumption.
- Better high-temperature oxidation stability, extended lubricant life.
- Improved foam control, superior stability in presence of water.

TYPICAL CHARACTERISTICS:

Test Description	Method						
ISO Viscosity Grade	-	68	100	150	220	320	460
Specific Gravity @ 15 °C	ASTM D 4052	0.858	0.861	0.865	0.871	0.860	0.876
Flash Point, °C	ASTM D 92	234	235	235	235	255	265
Pour Point, °C	ASTM D 97	-48	-45	-42	-42	-39	-39
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	66	97	151	222	321	456
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	10.3	13.7	19.7	25.8	35.2	47.4
Viscosity Index	ASTM D 2270	144	144	145	148	155	162
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Code	Grade	Size
821948	Popular HD 320	208L
821947	Popular HD 220	208L
852307	Popular EP 90	20L
821944	Popular EP 90	208L
852087	Popular EP 140	5L
821946	Popular EP 140	20L

Code	Grade	Size
821945	Popular EP 140	208L
852088	Popular EP 140	1L
852258	Popular EP 140	4L
820011	EP 320	200L
852099	EP 220	20L
820937	EP 220	200L



SAUDI Automotive Gear Oil



Product Description:

Saudi Gold Gear Oil is an optimized performance automotive gear oil. It is developed to meet the key performance requirements for manual transmission and hypoid axles which has excellent extreme pressure, anti-corrosion, anti-oxidant and anti-foam properties. Very high levels of the latest load carrying and anti-wear agents give API GL5 performance.

It is an extra high performance drive train lubricant engineered to provide excellent lubrication for state of the art, heavy duty manual transmission components used in on highway commercial vehicles and cars. Potential benefits include excellent shifting performance, good low temperature fluidity and high temperature viscosity retention.

Application/Benefits:

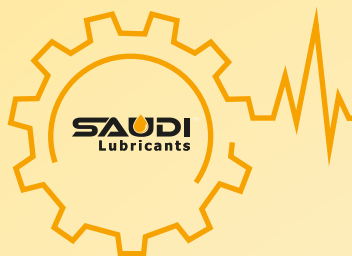
- Outstanding load carrying, anti-wear and extreme pressure performance.
- Excellent prevention of deposits and lacquer formation.
- Effective thermal and oxidation resistance at high operating temperature.
- Excellent shear stability.
- Good low-temperature fluidity.

Code	Grade	Size
852307	Popular EP 90	20L
821944	Popular EP 90	208L
852087	Popular EP 140	5L
821946	Popular EP 140	20L
821945	Popular EP 140	208L
852088	Popular EP 140	1L
852258	Popular EP 140	4L
852403	85W140 API GL 5	20L
852129	85W140 API GL 5	208L
852239	80W90 API GL 5	20L
852128	80W90 API GL 5	208L

TYPICAL CHARACTERISTICS:

Test Description	Method				
SAE Viscosity Grade	SAE J300	80W 90	85W140	90	140
Specific Gravity @15°C	ASTM D 4052	0.885	0.907	.896	0.910
Flash Point, °C	ASTM D 92	210	215	208	215
Pour Point, °C	ASTM D 97	-27	-12	-9	-6
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	139.5	389	198	402
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	14.7	27.4	17.1	27.8
Viscosity Index	ASTM D 2270	105	96	95	95
Color	ASTM D 1500	<2.5	3.0	<3.0	<3.5





SAUDI HYDRAULIC OIL

Product Description:

SAUDI HYDRAULIC OIL is a low zinc anti-wear hydraulic oil meeting Denison HF-0 requirements. It is produced from highly refined hydro-treated base oil and hydraulic oil additive packages. These products are designed for hydraulic systems with higher make up rates or those, which operate at moderate temperatures.

The additives found in SAUDI HYDRAULIC OIL enhance the anti-wear characteristics of the fluid. They also inhibit foam from forming in the oil and offer a moderate level of protection against rust and corrosion in the event of water contamination.

It is suitable for applications used in equipment located in underground mines, industrial hygiene units and other hydraulic systems.

Applications / Benefits:

- Prevents wear.
- Protects against rust and corrosion.
- Resists foaming.
- Economical.

Greade	Code	Size
Saudi Hyd. Oil ISO VG 68	820001	208 L
Saudi Hyd. Oil ISO VG 68	850009	20 L
Saudi Hyd. Oil ISO VG 46	820002	208 Ltr.
Saudi Hyd. Oil ISO VG 46	852095	20 Ltr.
Saudi Hyd. Pop Oil AW 68	821909	208 Ltr.
Saudi Pop Hyd. Oil AW 68	821922	20 Ltr.
Saudi Pop Hyd. Oil AW 46	821911	208 Ltr.
Saudi Pop Hyd. Oil AW 100	852017	208 Ltr.
Saudi Hydraulic Oil AW 100	852315	208L
SAUDI Hydraulic Oil AW 150	852205	208 L

TYPICAL CHARACTERISTICS:

Test Description	Method						
ISO Viscosity Grade	SAE J 300	22	32	46	68	100	150
Specific Gravity @ 15 °C	ASTM D 4052	0.866	0.865	0.870	0.872	0.878	0.889
Flash Point, °C	ASTM D 92	198	210	220	222	228	232
Pour Point, °C	ASTM D 97	-36	-33	-30	-27	-21	-15
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	22.4	31.5	46.4	68.5	97.5	150
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	4.38	5.4	6.85	8.78	11.3	14.7
Viscosity Index	ASTM D 2270	103	105	102	100	98	97
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5



SAUDI SPINDLE OIL



Product Description:

Saudi Spindle Oil is a premium grade, severely refined oil based extra low viscosity product specially for lubricating high speed spindles in knitting machines. Adopting highly refined special grade base oil, Spindle oil is naturally in low odor and viscosity that are essential to be used to lubricate the lightly loaded spindles that rotated in very high speed and give good finish of the textile. Results in reduced operating temperature and much less machine or operation break down.

Spindle oil is available in viscosity grade 10 for optimized lubrication requirement. It can be used widely for most high speed, light duty spindles found in most types of textile machines.

Applications / Benefits:

- Special grade base oil also gives good oil film protection.
- Very light color and low color.
- Light viscosity ensure smooth operations.
- Maximizing knitting machine performance.

TYPICAL CHARACTERISTICS:

Test Description	Method		
ISO Viscosity Grade	-	15	22
Specific Gravity @ 15 °C	ASTM D 4052	0.833	0.845
Flash Point, °C	ASTM D 92	190	202
Pour Point, °C	ASTM D 97	-21	-18
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	14.89	22.4
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	3.52	4.38
Viscosity Index	ASTM D 2270	116	103
Color	ASTM D 1500	<0.5	<0.5





SAUDI GAS ENGINE OIL

Product Description:

SAUDI GAS ENGINE OIL is a premium high performance SAE 40 gas engine oil that is formulated from select high quality, hydro treated base stocks and an advanced technology additive system engineered to provide excellent protection. It exhibits exceptional chemical stability and resistance to oxidation and nitration and provide excellent anti-corrosion properties that prevent corrosive wear in cylinders.

Its balance sulfate ash level reduces valve surface deposits and provides exceptional valve seat and face protection and reduces the wear and deposit formation in the critical valve guides of highly loaded turbocharged four-cycle engines.

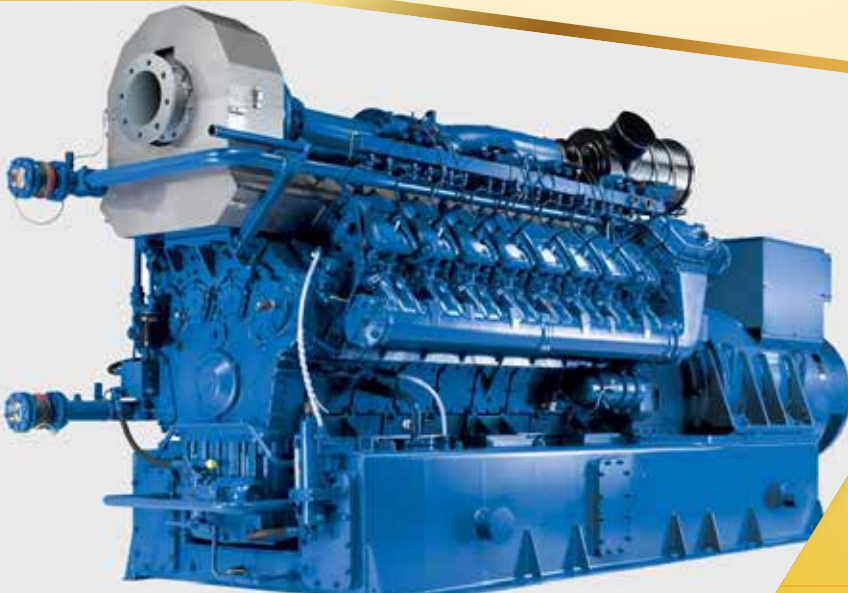
Applications / Benefits:

- Reduces engine wear and extends engine life.
- Excellent protection under high temperature operating conditions.
- Low ash formulation and improves spark low ash formulation plug performance.
- Outstanding detergency and dispersant properties.

TYPICAL CHARACTERISTICS:

Test Description	Method		
Appearance	Visual	B & C	-
Density @ 15 °C	ASTM D 4052	0.8771	Kg/l
Density @ 30 °C	ASTM D 4052	0.8676	Kg/l
Flash Point COC	ASTM D 92	252	°C
Pour Point , °C	ASTM D 97	-12	°C
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	148.6	cSt
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	15.56	cSt
Viscosity Index	ASTM D 2270	107	-
Color	ASTM D 1500	<2.5	-
S Ash content	ASTM D 874	0.51	%wt
Total Base Number	ASTM D 2896	6.3	mgKOH/g

item	Code	Size
Saudi Gas Engine Oil SAE 40	85231	208 L



SAUDI HYDRO HEAT TRANSFER OIL

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Product Description:

Saudi Hydro Heat Transfer Oil is premium heat transfer oil designed to give outstanding service in a variety of applications. It is blended from highly refined hydro-treated base oil and fortified with oxidation inhibitor to enhance high temperature performance and stability. It is resistant to oxidation and high temperature degradation, giving this fluid a long usable life and minimize deposit formation that can be inhibit efficient heat transfer.

Saudi Hydro Heat Transfer Oil may be used in both open and inert gas blanketed close heat transfer systems. The maximum temperature for use in an open system shall not exceed 150°C at the point where the oil is exposed to the air. In closed, inert blanketed systems, oil can be used up to 320°C.

Application/ Benefits:

- Blended with naturally high VI base oils.
- Contains high temperature oxidation inhibitors.
- Minimizes deposit formation.
- Long fluid life.

TYPICAL CHARACTERISTICS:

Test Description	Method					
ISO Viscosity Grade	-	22	32	46	68	100
Specific Gravity @ 15 °C	ASTM D 4052	0.854	0.863	0.869	0.872	0.873
Flash Point, °C	ASTM D 92	210	220	225	228	238
Pour Point, °C	ASTM D 97	-24	-24	-21	-18	-18
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	22	32	46	68	100
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	4.47	5.34	6.69	8.61	11.3
Viscosity Index	ASTM D 2270	115	98	97	97	98
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5
Coefficient of Thermal Expansion	per°C	0.0074	0.00076	0.00077	0.00078	0.00079

Code	Item	Size
852318	Saudi Heat Transfer Oil ISO VG 32	208 L
852864	Saudi Heat Transfer Oil ISO VG 32	20 L





SAUDI GLYCOL RADIATOR COOLANT

Product Description:

SAUDI GLYCOL RADIATOR COOLANT is a premium quality, single-phase, ethylene glycol based product. This product provides excellent heat rejecting aluminum protection for all automotive and light duty diesel applications. It also provides outstanding protection for heavy-duty diesel applications when combined with supplemental coolant additives. It protects all common cooling system metals including solder, copper, brass, steel, cast iron and aluminum. This formulation is compatible with all other major brands of coolant and will not affect automotive hoses and gaskets. SAUDI Glycol Radiator is an effective defoamer to prevent foaming in the cooling system for the life of coolant. It is recommended for use in all automobiles requiring ethylene glycol based coolant.

Applications / Benefits:

- High quality coolant designed for use in all types of radiator cooling systems.
- Provides excellent heat rejecting properties.
- Protects cooling system under high temperature conditions.
- Be used directly without re-watered.
- Ready to use.

TYPICAL CHARACTERISTICS:

Test Description	Method	
Specific Gravity @ 15 °C	ASTM D 4052	1.014
Freezing Point, °C	ASTM D 1177	-6
Boiling Point, °C	ASTM D 1120	102
Appearance	Visual	Green

item	Code	Size
Saudi Glycol coolant-208 LTR	852092	208 L
Saudi Glycol coolant-500 ML	852090	500 ml
Saudi Glycol coolant-4 LTR	852506	4 L



SAUDI HYDRO VESTA TURBINE OIL

SAUDI
Lubricants

Product Description:

Saudi Hydro Vesta Turbine Oils are formulated from highly refined hydro-treated base stocks and specially selected additives designed to achieve premium turbine oil performance, particularly in the areas of resistance to oxidation and the formation of sludge and varnish at elevated temperatures. The additive components in it also afford exceptional rust and corrosion protection.

Saudi Hydro Vesta Turbine Oils offer outstanding thermal stability, extended service life and strong water separation properties. These qualities make Saudi Hydro Vesta Turbine Oils as an ideal turbine quality lubricant.

Saudi Hydro Vesta Turbine Oils are suitable in all types of turbines system. The anti-oxidation properties plus the other features incorporated into Saudi Hydro Vesta Turbine Oils render them an outstanding choice for turbine use. Saudi Hydro Vesta Turbine Oils find applications in reciprocating compressors, hydraulic systems where anti-wear additives are unacceptable, gear reducers requiring superior rust and oxidation inhibited lubricants, high temperature circulating oil systems, machine tools and electric motor and pump ring oil bearings.

Applications / Benefits:

- Outstanding thermal stability.
- Exceptional protection against rust and corrosion.
- Extensive service life capacity.
- Unsurpassed water separation properties.

TYPICAL CHARACTERISTICS:

Test Description	Method					
ISO Viscosity Grade	-	22	32	46	68	100
Specific Gravity @ 15 °C	ASTM D 4052	0.854	0.858	0.871	0.880	0.882
Flash Point, °C	ASTM D 92	210	218	226	232	238
Pour Point, °C	ASTM D 97	-27	-24	-24	-24	-27
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	22.6	32.0	46.3	64.2	95.7
Kinematic Viscosity, cSt @100°C	ASTM D 445	4.45	5.4	6.8	8.3	10.8
Viscosity Index	ASTM D 2270	108	103	100	99	96
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5

item	Code	Size
SAUDI Turbine Oil ISO 46A	947063	208 L
SAUDI Turbine Oil ISO 46A	947064	20 L





SAUDI SYNTHETIC VESTA COMPRESSOR OIL

Product Description:

Saudi Synthetic Vesta Compressor Oil is a premium performance, synthetic compressor oil based on poly-alpha olefin and ester technology. It contains a rust and oxidation inhibitor system plus anti-wear additives to provide outstanding oxidation resistance and corrosion protection. High viscosity index and low pour points of the poly-alpha olefin base fluid permits application in a wider range of ambient operating temperatures than with conventional lubricants. It provides long oil life and effective lubrication in severe applications.

Saudi Synthetic Vesta Compressor Oil is recommended for lubrication of reciprocating, rotary screw slide vane air compressors where the air delivery temperatures are greater than 150°C. But not recommended for use in breathing air compressors.

Applications / Benefits:

- Very good surface properties, rusting and wear protection.
- Excellent thermal stability and outstanding resistance to oxidation.
- Extended oil service life.
- Minimum maintenance and downtime.
- High viscosity index and low pour point.

TYPICAL CHARACTERISTICS:

Test Description	Method				
ISO Viscosity Grade	-	46	68	100	150
Specific Gravity @ 15 °C	ASTM D 4052	0.848	0.853	0.855	0.858
Flash Point, °C	ASTM D 92	242	255	258	260
Pour Point, °C	ASTM D 97	-45	-45	-42	-39
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	45.8	68.5	101	151
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	7.78	10.5	13.9	18.7
Viscosity Index	ASTM D 2270	139	140	142	143
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5

item	Code	Size
SAUDI SYTHETHIC VESTA	852275	208 L
COMPRESSOR OIL ISO 68	852276	20 L



SAUDI COMPRESSOR OIL

SAUDI
Lubricants

Product Description:

Saudi Compressor Oils are hydro-treated based fluids designed for use in air compressors and high temperature circulating systems where freedom from deposit formation is desired. Formulated from highly refined hydrocracked base stocks, this oil is resistant to oxidation, thereby minimizing the formation of acidic oxidation products that can lead to system corrosion and reduced oil life. The naturally high viscosity index of the base fluid provides stable viscosity characteristics and maintaining a tough fluid film, even at high operating temperatures.

Saudi Compressor Oils, incorporating the latest technology, will allow the oil drain interval up to 4000 hours with operating temperature of 80°C and below. In more severe application, it will provide up to 800 hours with operating temperature of 100°C ~ 110°C. This has been proven in a wide range of compressor types, operating under harsh conditions.

Applications / Benefits:

- Effective detergent action.
- Minimizes deposit formation.
- Superior anti-wear properties.
- Resists oxidation.

TYPICAL CHARACTERISTICS:

Test Description	Method					
ISO Viscosity Grade	-	32	46	68	100	150
Specific Gravity @ 15 °C	ASTM D 4052	0.873	0.879	0.883	0.897	0.893
Flash Point, °C	ASTM D 92	218	226	230	212	242
Pour Point, °C	ASTM D 97	-30	-30	-30	-18	-21
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	32	46.3	64.2	150	148
Kinematic Viscosity, cSt @ 100°C	ASTM D 445	5.44	6.8	8.3	14.9	14.5
Viscosity Index	ASTM D 2270	103	100	99	99	96
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5

Code	Item	Size
947061	Compressor Oil ISO 150	208L
947062	Compressor Oil ISO 150	20L
987034	Compressor Oil ISO 220	208L
987035	Compressor Oil ISO 220	20L
852314	Compressor Oil ISO VG 46	208 L
852109	COMPRESSOR OIL ISO VG 68	5L
852367	Compressor Oil ISO VG 46	20 L





SAUDI VESTA S REFRIGERATION OIL

Product Description:

SAUDI Vesta S Refrigeration Oil is a naphthenic-based compressor oil with low carbon forming tendencies. In hot applications it forms small amounts of soft fluffy carbon where paraffinic based lubricants form larger amounts of harder carbon. In addition to its deposit control characteristics, it is also non-reactive with coolant compounds typically encountered in refrigeration compressors.

SAUDI Vesta S Refrigeration Oil is compounded from highly refined, low pour point oils with good resistance to oxidation, low wax forming tendencies and good water separation properties. It is also thermally stable and has good chemical stability with most conventional refrigerant other than Hydro fluorocarbons (HFCs) are used.

SAUDI Vesta S Refrigeration Oil is specially formulated for reciprocating and rotary refrigeration compressors in air conditioning systems or refrigeration systems with chlorofluoro-carbons (CFCs) (eg. R12); ammonia (eg. R717); hydrochlorofluorocarbons (HCFCs) (eg. R22); carbon dioxide (CO₂) (eg. R744); sulfur dioxide (SO₂) or ethylene chloride (C₂H₄Cl₂) as refrigerant. Nevertheless it was not suitable for systems containing HFC refrigerants (eg. HFC 134a).

Applications / Benefits:

- Excellent oxidation resistance reduces oil thickening, ensuring, extended oil change intervals.
- Non-reactive with conventional refrigerants.
- Minimizes deposit formation.
- Good lubrication properties and good low temperature fluidity

TYPICAL CHARACTERISTICS:

Test Description	Method					
SAE Viscosity Grade	SAE J300	15	32	46	68	100
Specific Gravity @15°C	ASTM D 4052	0.876	0.910	0.912	0.914	.915
Flash Point, °C	ASTM D 92	178	204	210	200	200
Pour Point, °C	ASTM D 97	-45	-39	-36	-33	-30
Pour Point, F	ASTM D 97	-49	-38.2	-32.4	-27.4	-22
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	14.8	33.2	48.5	69.6	96.7
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	3.09	4.71	5.78	7.16	9.90
Viscosity Index	ASTM D 2270	42	22	30	38	75
Color	ASTM D 1500	0.5	0.5	<1.0	1.0	1.5

Item	Code	Size
SAUDI Refrigeration Oil ISO 68 208L	947385	208 L
	947386	20 L



SAUDI ADV FULL SYN COMPRESSOR OIL

SAUDI
Lubricants

Product Description:

SAUDI Advance Synthetic compressor oil is designed for use in air compressors and high temperature circulating systems where freedom from deposit formation and extra-long drain interval are desired. Formulated from tailor made fully synthetic base stocks and reinforced with carefully selected additives, SAUDI Syn Vesta compressor oil is resistant to oxidation at all operating temperatures, thereby minimizing the formation of acidic oxidation products that can lead to system corrosion and reduced oil life. The naturally extra high viscosity index and provide stable viscosity characteristics and maintenance of a tough fluid film, even at high operating temperatures. Furthermore, SAUDI Syn Vesta compressor oil's superior low temperature fluidity makes it work even in arctic environment.

Applications / Benefits:

- Effective anti-oxidation action
- Minimizes deposit formation
- Superior anti-wear properties
- Outstanding anti-rust and corrosion properties
- Widest usable temperature range

TYPICAL CHARACTERISTICS:

Test Description	Method	TYPICAL RESULTS				
SAE Viscosity Grade	SAE J300	22	32	46	68	100
Specific Gravity @15°C	ASTM D 4052	0.841	0.843	0.848	0.852	.857
Flash Point, °C	ASTM D 92	218	228	232	238	245
Pour Point, °C	ASTM D 97	-24	-21	-18	-18	-15
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	22.2	30.5	44.2	68.2	99.8
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	4.47	5.52	7.30	9.91	13.13
Viscosity Index	ASTM D 2270	122	125	127	128	129
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5

Item	Code	Size
SAUDI ADV FULL SYN COMPRESSOR OIL ISO 68	947685	208 L





SAUDI SEWING OIL

Product Description:

SAUDI Sewing Oil is a premium grade, specially designed product that can be used for lubricating knitting machines. Containing highly refined base oil plus high performance, specially selected lubricity agent and emulsifier. United washable textile oil is essential light color and can give exceptional antiwear protection to the machine parts. The compounded emulsifier system effectively removes the oil stain from textile by emulsifying with water and thus makes the oil completely washable

SAUDI Sewing Oil is available in three viscosity grades for different lubrication requirement. It can be used widely for circular or tricot machine operations by spray, bath, or mist application

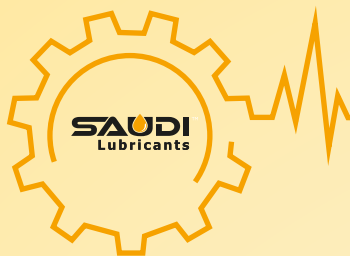
Applications / Benefits:

- Special EP agent gives anti-wear protection
- Very light color and totally washable
- Light viscosity ensures smooth operations
- Maximizing knitting machine performance

TYPICAL CHARACTERISTICS:

Test Description	Method			
SAE Viscosity Grade	SAE J300	15	22	32
Specific Gravity @15°C	ASTM D 4052	0.858	0.856	0.876
Flash Point, °C	ASTM D 92	184	196	218
Pour Point, °C	ASTM D 97	-12	-9	-9
Kinematic Viscosity, cSt@ 40°C	ASTM D 445	16.3	21.1	32.2
Kinematic Viscosity, cSt@ 100°C	ASTM D 445	3.58	4.21	5.42
Viscosity Index	ASTM D 2270	100	102	102
Color	ASTM D 1500	0.5	0.5	0.5





Saudi vacuum Pump Oil

Product Description:

Vacuum pump oil is manufactured from superior mineral oil and several well-selected additives, suitable for lubrication and sealing of various mechanical vacuum pumps. Its brands include 46, 68, 100, etc. according to kinematic viscosities at 40°C.

Advantages

1. Low saturated vapor pressure, high degree of ultimate vacuum and rapid pumping rate at high operation temperature
 2. Good water separation from oil, good anti-foaming performance and anti-oxidation stability
 3. Good sealing and lubrication Performance Meet the following
- Performance Meet specification: CE SH/T 0528-92

Applications

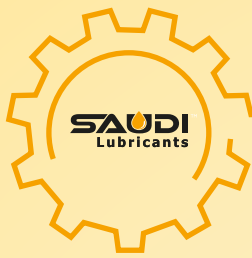
1. Suitable for sealing and lubrication of various mechanical vacuum pumps

TYPICAL CHARACTERISTICS:

Type of oil:	Mineral oil, free of additives	
Elastomer compatibility		
FKM (FPM, Viton):	suited	
NBR (Perbunan):	conditionally suited	
EPDM:	unsuitable	
ISO viscosity grade:	ISO VG 100	
Viscosity		
at 40°C (104°F):	95 mm ² /s	
at 100°C (212°F):	10.5 mm ² /s	
Flash point:	> 255°C	> 491°F
Density at 15°C (59°F):	880 kg/m ³	
Pour point:	< -9°C	< 16°F
Package size:	208 liters	

Code	Size
852131	208 L
852527	20 L





SAUDI SOLUABLE CUTTING OIL

Product Description:

SAUDI Soluble Cutting Oil is a water-soluble metalworking fluid formulated with fragrance that forms a very stable emulsion when mixed with water at a wide range of dilutions. The stability of this emulsion is not affected by hard water ions and the fact that it does not foam makes it ideal for high-speed metal working operations. The high heat absorbing characteristics of SAUDI Soluble Cutting Oil provides superior cooling for a variety of metalworking processes. SAUDI Soluble Cutting Oil is fortified with biocides to prevent rancidity caused by bacteria, which can lead to unpleasant odors, split emulsions and reduced product performance. This feature results in greater worker satisfaction and optimum product performance. SAUDI Soluble Cutting Oil also provides excellent protection against rust. SAUDI Soluble Cutting Oil is recommended for light to moderate duty machining operations on all ferrous and non-ferrous metals except magnesium. It will find use in machining, sawing, drilling, milling and turning. It is ideal for grinding due to its superior wetting and cooling properties.

Typical dilution ratios with water range from 1:10 for milling and turning to 1:40 for grinding.

Applications / Benefits:

- Non-foaming
- Excellent wetting and cooling capabilities
- Resist bacterial attack
- Formulated with perfume for pleasant environment

TYPICAL CHARACTERISTICS:

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
Appearance		Amber
Specific Gravity		0.89
Emulsion :		
Appearance		Milky
pH at 3%		9.5
IP 287 Corrosion Test		2.0
Defoam ml (3% in 50 ppm water)		Nil
Refract meter Factor		1.0

Code	Size
852489	20 L
852488	208L



SAUDI EDM OIL 120



Product Description:

SAUDI OIL 120 is a premium quality transparent Electrical-Discharge-Machine fluid. It offers excellent resistance to oxidation under the typical conditions of constant air exposure and high temperatures encountered during EDM work, thereby reducing sludge formation and increasing oil life. The viscosity of EDM OIL 120 allows for ready circulation of the fluid, even through narrow spark gaps, resulting in rapid dissipation of heat. SAUDI EDM OIL 120 is also specially formulated to allow rapid settling of metal fragments before recirculation to prevent distortion of spark values and improve finish quality. This fluid is readily filterable and is non-corrosive. EDM OIL 120 is virtually colorless and odorless.

SAUDI EDM OIL 120 has a high flash point that minimizes the possibility of fire during use, provided that normal safety measures are followed. It offers superior electrical discharge, uniform insulation and rapid deionization of the fluid after eroding spark discharges.

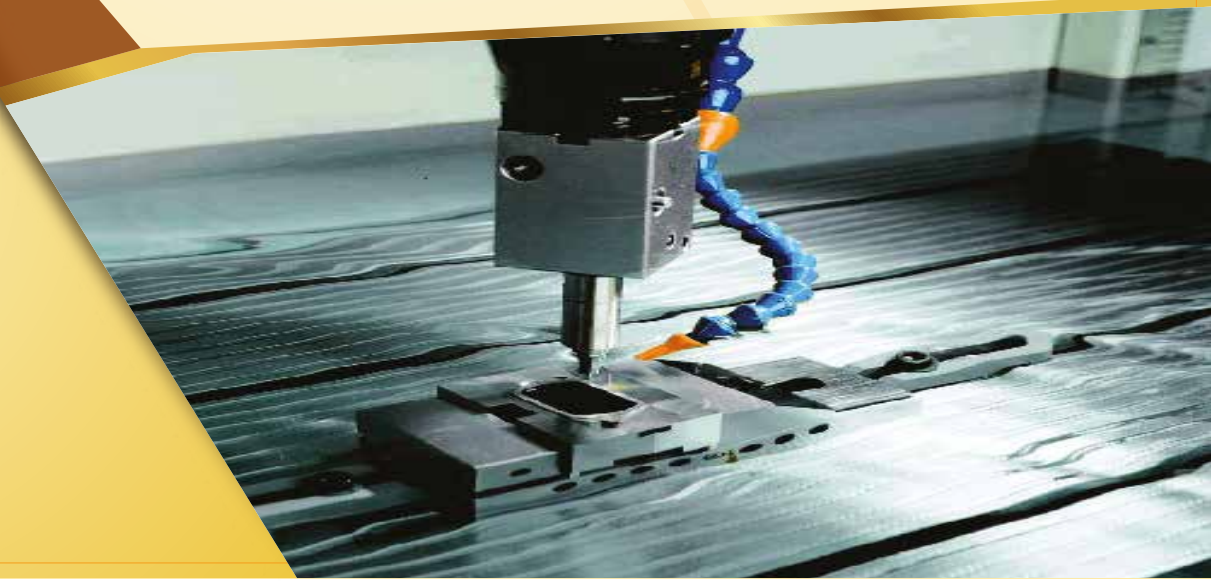
Applications / Benefits:

- Superior dielectric properties
- Excellent oxidation resistance
- Colorless
- Odorless

TYPICAL CHARACTERISTICS:

Test Description	Method	Typical Result
Specific Gravity @ 15C	ASTM D 4052	0.78
Flash Point, C	ASTM D 92	120
IBP, C	ASTM D 86	274
Kinematic Viscosity@40C (cSt)	ASTM D 445	3.3
Aromatic Content, %m/m	SMS 2728	<0.1
Color	ASTM D 1500	<0.5

Code	Size
875900	208 L





LITHIUM GREASE MP 03

SAUDI LITHIUM MP 03 are premium quality lithium soap based multipurpose greases manufactured from superior quality base stocks with specially selected additives.

KEY FEATURE:

- 1) Excellent thermal and oxidation stability
- 2) This grease also provides protection against rust and corrosion.
- 3) Having moderately high drop points, resistance to oxidation, good thermal and structural stability.
- 4) Extended bearing life.

APPLICATION:

SAUDI LITHIUM MULTIPURPOSE GREASE MP 03 are suitable for all types of industrial applications in steel plants, mining, cement and different engineering industries as excellent multipurpose greases.

PERFORMANCE LEVEL:

Meet IS-14847:2000

Characteristics	SAUDI MP 03
Type of Soap	Lithium
Color	Yellow
Work Penetration at 25°C	220-250
Dropping Point °C, Min.	190
Kin .Viscosity @40°C	140
Kin .Viscosity @100°C	13

Code	Size
852221	180 kg
852222	10 kg



MULTIPURPOSE LITHIUM EP 00, 02 & 03

SAUDI
GREASE

SAUDI MULTIPURPOSE LITHIUM EP 00, 02 & 03 is premium quality lithium based automotive grease manufactured from superior quality base stocks and specially selected additives and suitable for operating temp between -30 and 120°C.

KEY FEATURE:

- 1) Excellent thermal and oxidation stability.
- 2) This grease also provides protection against rust and corrosion.
- 3) Having moderately high drop points, resistance to oxidation, good thermal and structural stability.

APPLICATION:

SAUDI MULTIPURPOSE LITHIUM is an ideal product for lubrication of chassis of all types of automotive vehicles, passenger and commercial, tractors and other heavy duty equipment.

PERFORMANCE LEVEL:

Meet IS: 506 – 1993, IS: 7623.

Characteristics	SAUDI EP 00	SAUDI EP 02	SAUDI EP 03
Type of Soap	Lithium	Lithium	Lithium
Color	Yellow	Yellow	Yellow
Texture	Smooth and Homogenous	Smooth	220-250
Work Penetration at 25°C	355-385	265-295	190
Dropping Point °C, Min.	180	190	140
Base oil viscosity @40°C, cSt		140	13
Rust Protection Test , rating	Pass	Pass	

EP00	EP02	EP03	Size
852227	852223	852225	180 kg
852228	852224	852226	10 kg





CALCIUM GREASE NLGI 3

SAUDI CALCIUM GREASE NLGI 3 is a quality, smooth, Calcium soap based grease and fortified with the best known natural solid lubricant, graphite. Manufactured to NLGI 3 consistency, the grease provides the best combination of performance and economy for most applications. SAUDI CALCIUM GREASE are resistant to water and have good mechanical stability.

The use of this grease will minimize wear through the use of the solid lubricant and provide extended lubricant coverage due to even distribution of the product along the wearing parts. This also reduces the noise of the metal-joints by minimizing metal to metal contacts. It pumps over a wide temperature range and resists water washing.

KEY FEATURE:

- 1) Possesses excellent shear stability under heavy duty service.
- 2) Excellent water tolerance and is adaptable to normal grease dispensing systems including centralized lubrication systems.
- 3) Protection against rust and corrosion.

APPLICATION:

SAUDI CALCIUM GREASE is recommended for grease are also recommended for flexible couplings in various industrial applications where incidental water contact is high.

PERFORMANCE LEVEL:

The grease conforms to IS: 508 (1987).NLGI-3

Characteristics	CALCIUM GREASE NLGI 3
Type of Soap	Lithium
Appearance	Smooth and Homogenous
Color	Yellow
Work Penetration at 25°C, ASTMD 217	235
Dropping Point °C, Min, ASTMD 2265	95
Copper Strip Corrosion, ASTMD 4048	Pass

Code	Size
852217	180 kg
852218	10 kg



HIGH TEMPERATURE GREASE MP 03



SAUDI HIGH TEMPERATURE GREASE are non-soap base smooth structured greases for high temperature operating conditions under severe shock load conditions. These greases are water resistant and are not affected by acids/ alkali 's. They have high mechanical stability for long life and protection against rust.

KEY FEATURE:

- 1) High drop point and can be for High temperature application preferably through centralized lubrication system.
- 2) Good oxidation stability leading to longer life even at high temperature.

APPLICATION:

SAUDI HIGH TEMPERATURE GREASE is recommended for plain bearings, anti – friction bearings operating at high temperature (120°C to 360°C).

PERFORMANCE LEVEL:

HI TEMP GREASE meet IS 12790: 1990

Characteristics	SAUDI HI TEMP MP 03
NLGI	3
Color	Brown
Work Penetration at 25°C	265-295
Dropping Point °C, Min.	Above 240
Copper Corrosion Test at 100°C for 3 hours	Passe

Code	Size
852219	180 kg
852220	10 kg





CHASSIS GREASE NLGI 03

Chassis Grease is a premium quality calcium soap thickened greases produced from low volatile high viscosity index mineral oils, superior fats/fatty acids and a synergistic blend of additives and performance boosters. Does not contain graphite solids.

Applications: Calcium Grease is as protection for chassis and other applications such as commercial and agricultural vehicles and heavy duty equipment. Used in wheel bearings and pumps operating at moderate temperatures.

KEY BENEFITS:

- Excellent water resistance.
- Tacky and adhesive.
- Reduces friction.
- Extend bearing life.
- Increase lubrication intervals.
- More energy efficient.
- Prevent seizure.

ATTENTION: Empty container may contain product residue. Including flammable or explosive vapors. Do not cut, puncture or weld on or near containers. This container can not be reused to store food or drinking water.

CAUTION: Avoid skin contact, wash thoroughly after contact.

Characteristics	Chassis Grease
Base Oil type	Mineral
Base Oil Viscosity @ 40oC	320
Thickener	Calcium Stearate
Appearance	Smooth
NLGI	3
Dropping PointoC	95
Rust test	Pass

Code	Size
821927	180 kg
821926	10 kg



PRAN-RFL Center

105 Pragati Sarani, Middle Badda, Dhaka-1212

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