



www.scopelubricant.com



UGL

United Grease & Lubricants Co. LLC was established in the year 1996. The plant has gone under a series of developments and expansion. The current facility has the capacity to blend & fill 70,000 MT of finished lubricants and 5000 MT of lithium & calcium greases per annum.

United Grease & Lubricants Co. LLC is an approved ISO 9001:2015 facility and also carries the Emirates Quality Mark which complies with GCC 1785:2007 Lubricants Standards. Our Lab has been assessed and registered by GAC in compliance with the requirements of ISO 17025:2017 standards. Being an environmentally responsible production entity, our business activities are in compliance with Environmental Management System - ISO 14001:2015 & OHSAS 18001:2017.



SCOPE

In order to ensure stringent quality control of Scope Lubricants, the laboratory was set up and is equipped with the latest technology and versatile facilities to carry out comprehensive testing and quality control requirements of lubricants & greases.

Scope product guide provides a brief and convenient reference on scope lubricants & greases available. It covers the general descriptions, features and user benefits, recommended applications and typical values of commonly used products. Detailed specifications and Product Data Sheets (PDS) are available for each grade providing more product information.



PREMIUM GRADE CRANKCASE ENGINE OILS

SYNTHETIC. & SEMI SYNTHETIC PAGES 4 - 5



GASOLINE ENGINE OILS

PAGES 6 - 10



DIESEL ENGINE OILS

PAGES 11 - 15



GEAR OILS

PAGES 16 - 18



TRANSMISSION FLUIDS

PAGES 19 - 21



INDUSTRIAL LUBRICANTS

PAGES 22 - 26



BRAKE FLUIDS, GREASES & COOLANTS

PAGES 27 - 35



MARINE LUBRICANTS

PAGES 36 - 37





Fully Synthetic Gasoline Engine Oil - API SN

SCOPE Pegaso Fully Synthetic Oil has been formulated for latest on-road, high-performance and turbo-charged inter-cooled direct injection high performance gasoline and diesel engines with normal SAPS passenger car portfolio .lt provides outstanding protection against engine wear under high-temperature and high engine speed conditions. It is blended from synthetic base components, highly shear stable viscosity modifiers and premium tier additive packages. Suitable for ACEA 2012 normal SAPS requirements formulations.

Main Benefits

- Excellent oxidation resistance
- · Excellent low temperature flow characteristics
- · Excellent detergency and high dispersancy
- · Keeps engine clean under all conditions
- · Exceptional thermal stability
- · Low oil consumption
- · Protects against rust and corrosion.

Applications

Scope Premium Fully Synthetic is recommended for various types of modern vehicles where it will help provide unsurpassed performance even under very demanding driving conditions.

It is recommended for latest engine technologies including Turbo-chargers. Direct Injection, Diesels (without DPF) and Hybrids.

Specification & Performance Standards

- API SN/CF
- ACEA A3/B4-2012 A3/B3
- JASO MA-2 - Porsche A40

- Ford Specification.

- VOLKSWAGEN 502/505
- Opel GM-LL-A/B-025
- Mercedes Benz 229.3 229.5, V.2012.2
- General Motors Specifications
- Renault 0700/0710

Test	Test Method				
SAE Viscosity Grades	-	OW/40	5W/30	5W/40	10W30
Density @ 15°C, Kg/ltr	D-4052	0.850	0.852	0.852	0.854
Kinematic Viscosity					
@40°C cSt	D-445	76.0	62.0	80.0	73.0
@100°C cSt	D-445	13.8	11.0	14.0	11.5
Viscosity Index	D-2270	188	171	182	151
TBN,mg/KOH/gm	D-2896	10.0	10.0	10.0	10.0
Pour Point, °C	D-97	-45	-39	-39	-33
Flash Point, °C	D-92	220	224	222	226
Sulphated Ash % wt	D-874	1.2	1.2	1.2	1.2
Foam Vol Tend/Sta Seq I,SeqII,Seq III	D-892	0/0,0/0,0/0	0/0,0/0,0/0	0/0,0/0,0/0	0/0,0/0,0/0
Apparent viscosity by CCS,cP	D-5293	6000 @(-35°C)	6100 @(-30°C)	6200 @(-30°C)	6000 @(-25°C





Fully Synthetic Gasoline Engine Oil - API SM/CF

Scope Pegaso SM/CF is a unique fully synthetic lubricant for ultimate engine protection and performance. It is a multi grade motor oil specially formulated with selected synthetic base fluids and race proven additive technology for use in passenger cars and light truck gasoline engines and diesel engines under all operating conditions.

Main Benefits

- · Ultimate protection in all driving conditions.
- Rapid oil flow and low friction effectively contributes towards reducing fuel consumption.
- · Meets environmental requirements.

Applications

Scope Pegaso SM/CF fully synthetic oil can be used for all naturally aspirated, fuel injected, turbo charged and multivalve passenger car engines.

Specification & Performance Standards

Scope Pegaso fully synthetic oil exceeds the requirements of all major car manufacturers and the following standards. API SM/CF, VW - 500.00, 502.00, 505.00, BMW - long life 98, Mercedes Benz - sheet 229.3, Porsche "GL"

SAE Viscosity Grade	5W/30	5W/40	5W/50	10W/30	10W/40	15W/40
Vis @ 100°C	11.50	14.50	17.00	11.0	14.50	14.50
Viscosity Index	165	178	195	155	168	160
Pour Point °C	-45	-45	-42	-39	-39	-39
Flash Point COC °C	220	220	220	222	222	230
TBN mg KOH/g	10	10	10	10	10	10
Apparent Viscosity - Cp	4300 -30°C	4500 -30°C	4700 -30°C	4000 -25°C	4200 -25°C	4000 -20°C







Premium Grade Gasoline Engine Oil - API SN

SCOPE Perfo 9050 SN is a highly shear-stable, multi grade gasoline engine oil for use in passenger cars and light truck engines requiring API SN or lower performance lubricants under all operating conditions. Formulated with highly refined base stocks and selected DI Packages which provides excellent wear control. High thermal stability and oxidation resistance provides excellent protection against in-service oil degradation that contributes to filter blocking and sludge formation in the oil galleries, crankcase and valve train.

Main Benefits

- · Enhanced fuel economy
- · Improved engine cleanliness and reduced oil consumption
- · Excellent high and low-temperature performance
- · Effective corrosion inhibitors protect against rust and corrosion
- · Proven protection against sludge and harmful deposits



- · Naturally aspirated and turbocharged gasoline engines in passenger cars.
- · Light truck gasoline engines.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils.

SAE Viscosity Grade	10W/30	10W/40	15W/40	20W/40	20W/50
Viscosity, cSt @100°c	11.50	14.50	15.00	15.00	18.50
Viscosity Index	140	147	138	115	127
Pour Point	-33	-33	-30	-27	-27
Flash Point CoC°c	216	216	220	230	230
TBN ASTM D 2896	7.5	7.5	7.5	7.5	7.5
Apparent Viscosity - Cp	6400	6600	6000	7600	7800
	c-25°	c-25°	c-20°	c-15°	c-15°







SCOPE Perfo 9000 is highest quality mineral based lubricant meeting the latest engine oil specifications of API SM. This product meets the severe demands of the new seq III G test which requires a significant boost in oxidation performance at TEOSTMHT4 tests and serves as a clear API SM capability.

Main Benefits

- · Excellent oxidation stability.
- Excellent engine protection in severe weather conditions.
- Longer drain interval.
- · Low oil consumption and turbo proven stability.

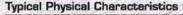
Applications

SCOPE Perfo 9000 is used in all naturally aspirated, fuel injected turbo charged and multivalve passenger cars, light duty vehicles etc.

Specification & Performance Standards

SCOPE Perfo 9000 meets and exceeds the requirements of API SM and meets the following OEM's standards.

ILSAC GF-4 energy conservation standards. General Motors GM 6094M specifications Chrysler Ms 6395 N Specifications. Mercedes Benz sheet 229.3 ACEA E7 – 97. Volvo VDS3. MTU/DDU type.



SAE Viscosity Grade	10W/30	10W/40	15W/40	20W/40	20W/50
Viscosity, cSt @100°c	11.50	14.50	15.00	15.00	18.50
Viscosity Index	140	147	138	115	127
Pour Point	-33	-33	-30	-27	-27
Flash Point CoCoc	216	216	220	230	230
TBN ASTM D 2896	10	10	10	10	10
Apparent Viscosity - Cp	6400	6600	6000	7600	7800
	c-25°	c-25°	c-20°	c-15°	c-15°







SCOPE Perfo 8000, multigrade high performance engine oils are manufactured for all gasoline and diesel powered passenger cars, light trucks and van including those fitted with turbo chargers. Originated with highly refined base stock and efficient additive technology to maintain engine oil cleanliness, wear and very good low temperature fluidity ensure easy starting in cold weather and low volatility contributes to low oil consumption.

Main Benefits

- · Fuel economy and better cold starting.
- Excellent engine protection in severe weather conditions.
- Thermal stable, Anti-wear, Anti-oxidant and long drain interval.
- · Low oil consumption and turbo proven stability.
- Longer drain interval.
- · Low oil consumption.

Applications

SCOPE Perfo 8000 oil is recommended in severe operating condition where high performance oil are required.

Specification & Performance Standards

SCOPE Perfo 8000 meets and exceeds the requirements of API SL/CF and can be used in all types of cars and light duty trucks. The product also meets ACEA E2-96 issue 3, ACEA A3-98/B3-98 issue 2/B4-02, MB 229.1, MAN 270/271, VOLVO VDS, MACK EO-L, MTU/DDU TYPE-1, ALLISION – C4

SAE Viscosity Grade	10W/40	15W/40	20W/40	20W/50	40	50
Viscosity, cSt @100°c	14.50	15.00	15	18.50	15	19
Viscosity Index	147	138	114	126	97	97
Pour Point, °c	-33	-30	-24	-24	-15	-12
Flash Point CoCoc	216	220	230	230	248	258
TBN ASTM D 2896	10	10	10	10	10	10
Apparent Viscosity - Cp	6500	6300	7700	7800		20-3-2
	c-25°	c-25°	c-15°	c-15°		







Premium Grade Gasoline Engine Oil - API SJ/CF

SCOPE Perfo 7000, multi grade engine oils are manufactured for modern gasoline and diesel engines. It is a superior quality multi grade lubricant formulated with highly refined base stock and advanced additive technology meeting the requirement of API SJ/CF classification for gasoline engines.

Main Benefits

- · Engine protection against wear and sludge.
- · Engine cleanliness and low combustion residue.
- · Fuel economy and better cold starting.
- · Oxidation resistant, good high temperature stability.
- · Longer drain interval.
- · Low oil consumption.

Applications

SCOPE Perfo 7000 Multi grade engine oil is compatible with most naturally aspirated or turbo charged diesel engines in passenger cars maintaining excellent level of protection. It also offers performance advantage over older types of lubricant.

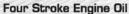
Specification & Performance Standards

SCOPE Perfo 7000 Engine oil meets and exceeds the requirements of API SJ/CF and can be used in all types of cars and light duty trucks of gasoline and diesel engines. The product also meets ACEA A3/B3, MB 229.1, VW 500/505. Porsche and BMW.

SAE Viscosity Grade	10W/40	15W/40	20W/40	20W/50	40	50
Viscosity, cSt @100°c	14.50	14.80	14.80	18.50	15	19
Viscosity Index	146	136	115	125	95	95
Pour Point	-33	-27	-24	-24	-15	-12
Flash Point CoCoc	216	220	230	230	250	260
TBN ASTM D 2896	10	10	10	10	10	10
Apparent Viscosity - Cp	6600 c-25°	6400 c-20°	7600 c-15°	7800 c-15°		







SCOPE Perfo 4T oils are blended with high performance base stocks and precisely balanced additives to provide high clutch frictional performance, outstanding engine cleanliness and excellent wear protection at high temperatures. This specially designed motorcycle engine oil helps to deliver unsurpassed performance under severe operating conditions in All Seasons, driving environments, from mild to severe, and on the racetracks.

Main Benefits

- · Optimized frictional properties
- · Exceptional wear protection
- · Outstanding thermal and oxidation stability
- · Outstanding engine cleanliness, smooth and reliable operation
- · Long life of critical valve train and bearing components

Applications

SCOPE Perfo 4T engine oil is recommended for the lubrication of four-stroke motorcycle engines of all Japanese, European and other manufacturers.

Specifications

SCOPE Perfo 4T meets and exceeds the requirements of API SJ/CF, JASO MA, MA2, MB and can be used in all types of cars and light duty trucks of gasoline engines.

SAE Viscosity Grade	20W/50	10W/40	10W/30
Viscosity, cSt @ 100°C	18.30	14.5	11.0
Viscosity Index	125	155	145
Pour Point	-24	-36	-36
Flash Point COC	230	226	220







SCOPE Metric CK4/SN Diesel Engine Oil is formulated with hydro-cracked base stocks and a tailored additive package that helps extend engine life. Proprietary formulation delivers excellent wear protection, outstanding oxidation stability, and outstanding TBN retention with long oil drain interval. SCOPE Metric CK4/SN oils also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Main Benefits

- · Greater engine efficiency, longer engine life and oil life.
- Excellent oil consumption control / Excellent soot and viscosity control.
- · Corrosion protection and extended drain intervals for both new and old engines.
- Outstanding oxidation stability / Outstanding TBN reserves.
- Low ash formulation meeting API CK-4 and CJ-4 requirements.

Applications

Specifically engineered for engines operating under severe service in a wide range of climatic conditions and ambient temperatures. An ideal mixed fleet engine oil designed for naturally aspirated and turbocharged heavy-duty diesel engines in mobile and stationary equipment where the API CK-4 service category is specified.

- · Current on-highway low emission diesel engines running on ultra-low sulfur diesel fuel.
- Current off-highway engines including those adapted for future emissions standards in construction, agriculture, marine, and mining applications.
- · Mixed fleets where product consolidation is desired for performance and economics

SAE Viscosity Grades	10W/40	15W/40	20W/50
Viscosity, cSt @ 40°c	100	112	168
Viscosity, cST @ 100°c	14.8	15.0	19.0
Viscosity Index	154	139	128
Pour Point	-33	-39	-27
Flash Point COC	220	230	240
TBN ASTM D 2896	10.0	10.0	10.0
Apparent Viscosity- Cp	6100	6100	7800
	-25°c	-20°c	-15°c







Heavy Duty Diesel Engine Oil - API CJ4

SCOPE Denim 9050 Diesel Engine Oil is the latest highest quality in Diesel Engine Oil meeting the API CJ4 Standards. It is designed for high speed, four stroke engines designed to meet exhaust emission standards, CJ4 oils are compounded for use in all applications with diesel fuels ranging in sulfur content up to 500 PPM. It is effective at sustaining emission control system durability and oil drain intervals.

Main Benefits

- · Meets exhaust emission standards
- Long oil drain intervals
- · Excellent control on particulate filter blocking engine wear, piston deposits
- · Excellent low and high temperature stability
- · Excellent oxidation and foam control
- · Excellent control on viscosity loss due to shear

Applications

Scope Denim 9050 Diesel Engine Oil can be used for all latest highly rated turbo charged 4 stroke diesel engines under all operating conditions when sulfur content up to 500 PPM.

Specification & Performance Standards

SCOPE Denim 9050 Diesel Engine Oil meets and exceeds API CJ4, API Cl4 with Cl4 Plus, CH4, CG4 and CF4. ACEA – E7, E5. cummins CE5 20078, 71, 76, 77. Mercedes Benz: 228.3, MAN 3275 Volvo – VDS3, Scania – LDF, Mack Truck: E0M +, DAF=ACEA E3

SAE Viscosity Grades	15W40
Viscosity, cSt @ 40°c	125
Viscosity, cST @ 100°c	15
Viscosity Index	123
Pour Point	-36
Flash Point COC	220
TBN ASTM D 2896	9.5
Apparent Viscosity- Cp	6000
	-20°c







SCOPE Denim 9000 lubricant has been formulated with highly refined base oil and advanced additive technology to achieve latest low emission and high performance requirements of US, European and Japanese engine makers. It provides protection against oil thickening, high temperature, sludge build up, oil degradation and corrosion. It provides good shear stability.

Main Benefits

- Advance additive technology provides wear protection and longer oil life.
- Improved engine cleanliness and protection against piston deposits.
- · Excellent performance in heavy duty operation.
- · Superior oxidation resistance, soot control and thermal stability.
- · Easy cold starting and longer drain interval.

Applications

SCOPE Denim 9000 is recommended to be used in on and off high way diesel engines.

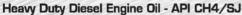
Specification & Performance Standards

SCOPE Denim 9000 meets and exceeds the requirement of API CI4/CH4/CG4/CF4/CF/SL/SJ, Mercedes Benz 228.5 / 229.1, Allison C-4, ACEA E7 / A3 / B4 JASO DH-1, Global DHD-1, Cummins CES 20078, CES 20077, CES 20076, MAN 3275, VOLVO VDS3, MTU-Type 2, CAT ECF1

SAE Viscosity Grades	10W/40	15W/40	20W/50
Viscosity, cSt @ 100°C	14.50	15.00	18.50
Viscosity Index	147	140	128
Pour Point	-36	-30	-27
Flash Point COC	212	220	232
TBN ASTM D 2896	11.00	11.00	11.00
Apparent Viscosity - Cp	6500	6200	7800
	c -25°	c -20°	c -15°







SCOPE Denim 2090 is superior quality long drain multi grade oil, formulated with highly refined base stock and selective additive package. Scope Denim 2090 is severe-duty engine oil formulated specially for high speed four stroke diesel engines designed to meet 1999 way exhaust emission standards and also suitable for a wide range of heavy duty off-highway applications.

Main Benefits

- · Superior protection against thermal break down at high temperature.
- · Lower exhaust emission.
- · Excellent performance in heavy duty operations.
- · Superior oxidation & thermal stability.
- · Longer drain interval and prolong engine life.

Applications

SCOPE Denim 2090 can be used in latest low emission and high performance engines of road transport, construction and other industries where diesel fuel sulfur should not exceed above 0.50% weight.

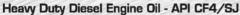
Specification & Performance Standards

SCOPE Denim 2090 meets and exceeds the requirement of API CH4/CG4/CF4. ACEA: E3, E5/ E7. MB-228.3. Scania E3. Man 271. Volvo VDS-2. GM Allison C 4, Cummins CES 20071, 20072, 20075

SAE Viscosity Grades	10W/40	15W/40	20W/50
Viscosity, cSt @ 100°c	14.50	15.00	18.50
Viscosity Index	150	140	127
Pour Point	-33	-30	-27
Flash Point COC	212	220	232
TBN ASTM D 2896	11.00	11.00	11.00
Apparent Viscosity- Cp	6500	6000	7800
	c -25°	c -20°	c -15°







SCOPE Denim 2070 is a very high performance diesel engine lubricant. It is a multi grade oil of API CF4/SJ level for use in almost all kind of turbo charged heavy duty diesel engines. It is a blend of superior quality base stocks and additives. In addition to it's high level of detergency and dispersancy. It has a stable viscosity index improver that does not shear off under severe operating conditions of high load at high temperatures.

Main Benefits

- · Provides longer engine life
- Longer drain period
- · Low temperature fluidity, low oil consumption
- Fuel economy and superior wear control of engine parts
- Controls piston deposits, engine cleanliness
- High resistance to oxidation & thermal degradation

Applications

SCOPE Denim 2070 oils can be used under normal conditions for mixed fleet of diesel and gasoline engines. It can also be used as C4 transmission fluid in Allison transmission and in Caterpillar Transmission.

Specification & Performance Standards

SCOPE Denim 2070 meets and exceeds the requirement of API CF4/SJ, MIL-L-2104E, MIL-L-46152E, CCMC D4, G4, PD2, ACEA A2/B3/E2/O2, MB 229.1, VOLVO VDS, MAN 271, MTU – TYPE 1, ALLISON C 4, CAT TO2, TO3

SAE Viscosity Grades	10W/40	15W/40	20W/50	40	50
Viscosity, cSt @ 100°c	14.50	14.70	18.50	15.00	19.00
Viscosity Index	148	137	125	96	96
Pour Point	-33	-27	-24	-18	-15
Flash Point COC	215	218	230	240	250
TBN ASTM D 2896	10	10	10	10	10
Apparent Viscosity -Cp	6500	6000	7800	N/A	N/A
	c -25°	c -20°	c -15°		





Automotive Gear Oil - API GL5

SCOPE Effol EP Gear Lubes blended with highly refined mineral base oil and selective additives for use in heavy duty operations are used in commercial fleet, manual transmission, axles and final drives. Protects from rust & corrosion and low temperature properties, gives good start in cold weather.

Main Benefits

- · Excellent anti-wear and anti-rust characteristics.
- Resistance to oxidation and oil thickening.
- · Maximize equipment life and assist smooth shifting in manual transmission.
- Outstanding performance against low speed/high torque wear and high speed scoring.
- · Protects against corrosion of ferrous and non-ferrous components.
- Excellent load carrying capability in severe operating conditions.
- Compatible with all type of seals to avoid leakage.

Applications

SCOPE Effol EP Gear Lubricants are recommended for use in Hypoid gears, compatible with seal and gasket material used in automotive gears. Drive axle, trucks, and taxicabs, contracting and farming equipment.

Specification & Performance Standards

SCOPE Effol EP Gear Lubes meets API service categories GL-5 and U.S Military specification MIL-L-2105D

SAE Viscosity Grades	90	140	80W90	85W90	85W140
Viscosity, cSt @ 100°c	18.50	30.00	14.60	18.00	29.00
Viscosity Index	95	95	101	100	98
Pour Point	-18	-12	-27	-21	-21
Flash Point COC	242	258	240	242	252





Automotive Gear Oil - API GL4

SCOPE Effol MP Gear Lubes are premium quality long life gear box oils blended with extreme pressure additives and these oils are environmentally friendly and contains neither lead nor chlorine. They offer good resistance to oxidation, staining, rusting, corrosion and foaming.

Main Benefits

- · Outstanding protection against wear and rust.
- · Longer drain interval and gear life.
- · Good load carrying capability.
- · Resistance to oxidation and oil thickening and are compatible to oil seals.
- · Good low temperature performance.

Applications

SCOPE Effol MP Gear Lubricants are recommended for commercial vehicle's automotive and passenger car gear type transmission and drive axles operating up to 100°c. Hypoid gear, and contractor equipment and in worm gear final drives.

Specification & Performance Standards

SCOPE Effol MP Gear Lubes meets the performance requirements of API service GL-4 and U.S Military Specification MIL-L-2105C

SAE Viscosity Grades	90	140	80W90	85W90	85W140
Viscosity, cSt @ 100°c	17.5	30.20	14.60	18.00	29.00
Viscosity Index	96	95	101	100	98
Pour Point	-12	-9	-24	-18	-9
Flash Point COC	248	260	240	244	250





Industrial Gear Oil

SCOPE IEP Industrial Gear Oils are premium quality extreme pressure oils designed primarily for lubrication of heavy duty industrial gears. Their high load carrying capacity and anti-friction characteristics combine to offer superior performance in gears and in all industrial applications. They are formulated using high viscosity Index, solvent refined base oils and incorporate special sulfur - phosphorous additives to provide an extreme pressure performance.

Main Benefits

- · Excellent load carrying and anti-friction characteristics.
- · Outstanding oxidation and thermal stability.
- · Effective corrosion inhibition.
- Effective water shedding properties.

Applications

SCOPE IEP Industrial Gear oils can be used in steel gear transmissions, Industrial gears transmissions, Industrial gear drives where a full EP performance is required, circulating and splash lubricated systems and bearings.

Specification & Performance Standards

SCOPE IEP Industrial Gear Oils meets AGMA 250.04 2 EP to 7 EP, AGMA 251.02 4 EP, 5EP, 6EP, DAVID BROWN SL 53.101, US Steel 220 & 224 . Cincinnati Milacron P-63 (68). DIN 51517 part III

David Brown / Grade No	2EP	3EP	4EP	5EP	6EP	7EP
ISO Viscosity Grades	68	100	150	220	320	460
Viscosity, cSt @ 40°c	68	101	150	220	320	450
Viscosity, cSt @ 100°c	8.6	11.2	14.6	18.80	24.01	30.00
Viscosity Index	97	96	96	95	95	95
Pour Point	-24	-21	-18	-15	-12	-9
Flash Point COC	220	232	242	248	254	260
Timken OK load KG	27	27	27	27	27	27







SCOPE Mercur CVT Fluid is a premium quality synthetic based oil designed for today's technologically advanced variable transmissions. It is formulated with synthetic premium base oils, long-life friction modifiers, unique anti-wear additives and shear stable viscosity modifiers for use in passenger cars with belt-driven continuously variable transmissions. It has been specifically engineered to have the unique frictional properties required for use in this type transmission.

Main Benefits

- Excellent steel-on-steel frictional engagement and torque transfer
- · Excellent wet clutch performance, shifting and anti-shudder durability
- · Superior high temperature protection to effectively resist oxidation
- · Extended drain intervals due to improved oxidation resistance
- · Excellent low-temperature fluidity for optimal performance in cold conditions
- Maximizes equipment life, by helping to protect against: wear corrosion, and deposit formation

SCOPE SCOPE STORAGE FARMANISHMONE PLANTS CYT RUID CYT RUID STORAGE STORAGE CYT RUID STORAGE STORAGE

Applications

SCOPE Mercur CVT Fluid is recommended for service fill use in the passenger car, push-belt and chaindriven continuously variable transmission applications where CVT fluids are recommended only. (except for CVTs that require gear oils, and toroidal CVTs).

SAE Viscosity Grades	CVT
Viscosity, cSt @ 40°c	36.0
Viscosity, cST @ 100°c	7.5
Viscosity Index	182
Pour Point	-48
Flash Point COC	210
TBN ASTM D 2896	0.855
Apparent Viscosity- Cp	12000
	-40°c

^{*}Always consult your owner's manual to check specifications for your particular vehicle





SCOPE MERCUR D-III is a superior quality automatic transmission fluid meeting General Motors GM Dexron III Specifications. It is a special fluid with highly improved performance over DEXRON IID and DEXRON IIE carefully formulated multifunctional power transmission fluid which satisfies the latest requirements of passenger cars and commercial vehicle automatics, it has the facility and oiliness suited to the requirements of modern automatic gear boxes. It has extremely low temperature fluidity.

Main Benefits

- · Excellent shift fueling
- Extremely low temperature fluidity
- Shear stability & wear protection
- · Maximum oil drain interval
- High temperature oxidation stability



SCOPE Mercur D-III is recommended for use in automotive automatic transmissions, Hydraulic systems, power steering and certain manual transmissions.

Specification & Performance Standards

SCOPE Mercur Dexron III meets and exceeds General Motors GM Dexron III specifications, Ford M2C 138-CJ/166H, Allison C 4 specifications, CAT - TO2.

Test	Typical Reports
Color	Red
Viscosity @ 40°c	31.0
Viscosity @ 100°c	7.0
Viscosity Index	198
Pour Point °c	-45
Flash Point CoC °c	190
Brookfield mpa -40	18,000







SCOPE Mercur is a superior quality automatic transmission fluid formulated with high viscosity index base oils and selective additive package to obtain anti-wear, anti-oxidant, anti-foam properties and low temperature fluidity. It provides excellent protection against wear and their frictional properties gives consistent and smooth shift under a wide range of driving conditions.

Main Benefits

- Excellent anti-wear, anti-oxidant and anti-friction properties.
- · Excellent low temperature fluidity, thermal and high shear stability.
- · Provides smooth and trouble free operation of ATF.
- · Good frictional properties gives smooth shift performance.
- Prompt circulation and effective lubrication at low temperature.

Applications

SCOPE Mercur D II is recommended for use in passenger cars and light trucks as well as power steering which requires Dexron II D specification fluid. It can also be used in some hydraulic system farm equipment. It is compatible with seal material in transmission unit.

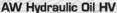
Specification & Performance Standards

SCOPE Mercur D- II meets the performance criteria of GM Dexron IID and Dexron IIE, Mercedes Benz 236.7. ALLISON C3, GM 6137M, Caterpillar TO-2.

Test	Typical Reports
Color	Red
Viscosity @ 100°c	6.5
Viscosity Index	170
Pour Point °c	-42
Flash Point CoC °c	202
Brookfield mpa -40	30,000







SCOPÉ Textron AW Hydraulic oils HV are premium quality, shear stable, multi viscosity, anti-wear hydraulic fluids which incorporates a special viscosity index improver additives to enhance their viscosity/temperature characteristics.

Main Benefits

- · Excellent oxidation stability.
- · Resist oil thickening and deposit formation.
- · High shear stability.
- Outstanding anti-wear performance.
- · Excellent filterability.
- · Rapid air release and corrosion protection

Applications

SCOPE Textron AW Hydraulic Oil HV can be used in all Hydraulic and fluid power transmission system which are subjected to wide variations in temperatures.

Specification & Performance Standards

SCOPE Textron AW Hydraulic Oil HV meets and exceeds the performance standards of Denison HFI, HF2, HF0, FORD M-6C32, GM LHH-04-01, meets Vickers 1-2865, M-29505, DIN 51524 part 2, CINCINNATI P-68, P-69 and P-70, AFRON NFE 480690 (DRY) AFRON NFE 48-691 (WET) AFRON NFE 48-603.

ISO Viscosity Grades	32	46	68	100
Viscosity, cSt @ 40°C	32	46	67	100
Viscosity, cSt @ 100°C	6.2	8.2	11.00	15.00
Viscosity Index	146	154	156	157
Pour Point	-33	-27	-24	-21
Flash Point COC	210	218	230	250
Air release @ 50°C Max	5	6	9	







SCOPÉ Textron AW Hydraulic oils are premium quality antioxidant, anti-wear, anti-rust hydraulic oils for industrial hydraulic applications blended with selected high quality base stocks and special additives to give excellent dimulsibility, superior oxidation and thermal stability and excellent load carrying capacity.

Main Benefits

- · Excellent oxidation & thermal stability.
- · Excellent load carrying capacity.
- Outstanding anti-wear performance.
- · Superior filterability and good water separation.
- · Low friction and hydraulic stability.
- · Excellent air release and antifoam properties

Applications

SCOPE Textron AW Hydraulic Oils can be used in all Hydraulic and fluid power transmission systems suitable for a wide range of other industrial applications.

Specification & Performance Standards

SCOPE Textron Hydraulic Oils meets and exceeds the performance standards of Denison HFI, HF2, HFO specifications DIN 51524 PART 2, FORD M-6C32, CINCINNATI P-68, P-69, VICKERS M 29505 (Mobile Equipment), Vickers 1-2865 (Industrial Equipments) AF nor NFE 48 -603 HM, US steel 136 – 127, ASLE 64-1 to 64-4 70-1 to 70-3.

ISO Viscosity Grades	32	46	68	100	150	220
Viscosity, cSt @ 40°C	32	46	68	102	152	222
Viscosity, cST @ 100°C	5.35	6.65	8.65	10.9	14.7	18.90
Viscosity Index	102	101	98	95	95	95
Pour Point	-27	-24	-21	-18	-18	-12
Flash Point COC	210	226	236	240	250	260
Air release @ 50°C Minutes	2.9	3.8	6.2	- 4		-







SCOPE Textron RPM Compressor Oils are premium quality Air Compressor lubricants blended with high quality paraffinic base oils and selected anti-oxidant and rust inhibitors to give low carbon forming tendencies in Air Compressor applications. They are designed for use in rotary and reciprocating compressors both for stationery and mobile applications. These oils can also be used in vacuum pumps because of their low volatility.

Main Benefits

- · Very good oxidation resistance
- · Very good Air release and anti-foam properties
- Very good rusting and wear protection properties
- · Maintains internal surface cleanliness
- Longer oil drains interval

Applications

SCOPE Textron RPM Compressor oils can be used in rotary and reciprocating compressors both for stationery and mobile applications. They can also be used in vacuum pumps and screw pumps.

Specification & Performance Standards

SCOPE Textron RPM Compressor oils meets the German standards DIN 51506 VD-L

ISO Viscosity Grades	32	46	68	100
Viscosity, cSt @ 40°C	32	46	68	98
Viscosity, cST @ 100°C	5.35	6.65	8.65	10.9
Viscosity Index	99	98	98	95
Pour Point	-30	27	-24	-21
Flash Point COC	208	214	234	246
Air release @ 50°C Minutes	2.9	3.8	6.2	





SCOPE Soluble cutting oil fluid has been formulated from premium quality base oils and superior additives suitable for lubricating and cooling a wide range of metal cutting and grinding operations.

It is used in machines with low to medium tensile ferrous metals, non-ferrous metals such as aluminum and alloys. It has greater ability to assist the tools in cutting apparatus. It dispersed acidity in water and produces stable emulsion.

It can be used for milling, boring and turning operations at 10:1 up to 20:1 water and dilution and for grinding at 40:1 dilution.

	Soluble Cutting Oil
Viscosity, cSt @ 40°c	47.0
Viscosity, cSt @ 100°c	6.8
Emulsion	Pass
Flash Point COC	185





SCOPE Neat cutting oil is non staining type cutting oil blended from high VI Base Oil and contains fatty material enhancing its free flowing and heat dissipation characteristics.

SCOPE Neat Cutting Oil recommended for machining ferrous as well as non ferrous metals and for repetitive machining operations of less severe nature on automatics. It is also recommended for free cutting on mild steel, which involves high spindle speeds and short cycle time.

	Neat Cut Ferrous	Neat Cut non-Ferrous
Appearance	B&C	B&C
Specific Gravity @ 15 c	0.865	0.865
Viscosity Index Viscosity cSt @ 40°c	22	22
Viscosity Index Viscosity cSt @ 100°c	4.35	4.35
Emulsion	Not miscible with Water	Not miscible with Water





Heavy Duty Brake Fluid DOT 3

SCOPE Super 2000 Heavy Duty Brake & Clutch Fluid DOT-3 is a premium glycol quality automotive Brake Fluid meeting the specifications of DOT-3, SAE J1703 and FMVSS No. 116.

Main Benefits

- Long volatility and low pour point ensure performance in normal temperature range
- · Provides protection against rust and corrosion
- · Compatible with rubber seals
- · Miscible with other approved glycol ether
- · Good braking response
- · Reduces chances of vapor lock

Applications

SCOPE Super 2000 Heavy Duty Brake Fluid DOT-3 is generally used in disc and drums brake systems as well as clutch fluid meeting above standards.

Density @ 20°c	1.030		
Appearance	C&B		
Viscosity, cSt @ 40°c	Max. 1200		
Viscosity, cST @ 100°c	Min. 1.90		
ERBP °c (dry)	240		
ERBrC (wet)	150		
pH Value	9.0		
Color	Natural		





Heavy Duty Brake Fluid DOT 4

SCOPE Super 3000 Heavy Duty Brake & Clutch Fluid DOT-4 is a premium glycol type quality automotive Brake Fluid meeting the specifications of DOT-4, SAE J1704, ISO 4925 and FMVSS No. 116.

Main Benefits

- Long volatility and low pour point ensure performance in normal temperature range
- · Provides protection against rust and corrosion
- · Compatible with rubber seals
- · Miscible with other approved glycol ether
- · Good braking response
- · Reduces chances of vapor lock

Applications

SCOPE Super 3000 Heavy Duty Brake Fluid DOT-4 is generally used in disc and drums brake systems as well as clutch fluid meeting above standards.

Density @ 20°c	1.050
Appearance	C&B
Viscosity, cSt @ 40°c	Max. 1500
Viscosity, cST @ 100°c	Min. 2.10
ERBP °c (dry)	266
ERBrC (wet)	160
pH Value	7.5
Color	Natural







SCOPE Multipurpose Lithium Greases are made from refined mineral base oil thickened with lithium soap, castor oil and anti-rust and anti-oxidant additives to provide reliable grease for automotive applications.

Main Benefits

- · Outstanding water resistance.
- · Good mechanical and thermal stability.
- · Good anti-corrosion and anti-rust properties.

Applications

Automotive applications such as wheel bearings, chassis points, universal joints. Industrial equipments applications between temperatures ranging from -20°C to 120°C.

NLGI Consistency	2	3
Soap Type	Lithium	Lithium
Base Oil Type	Mineral	Mineral
Drop Point °C	180	185
Penetration, Worked @ 25°C (0.1mm)	275	235





EP Grease Lithium - NLGI 1, 2 & 3

SCOPE Extreme Pressure Lithium Greases are made from refined mineral base oil thickened with lithium soap and enhanced with extreme-pressure agent. Extreme — Pressure greases are very effective in automotive and industrial applications.

Main Benefits

- · Outstanding water resistance.
- · Good mechanical and thermal stability, maintains consistency
- · Throughout service life.
- · Good anti-corrosion and anti- rust properties.
- · Effective extreme pressure and load bearing qualities.

Applications

Automotive applications such as wheel bearings, chassis points, universal joints. Industrial equipments applications between temperatures ranging from -30°c to ± 120 °c.

Good for both automotive and industrial equipments under constant load and severe shock loading conditions.

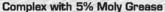
Good mechanical and thermal stability, maintain consistency.



NLGI Consistency	1	2	3
Soap Type	Lithium	Lithium	Lithium
Base Oil Type	Mineral	Mineral	Mineral
Drop Point ^o C	190	190	195
Penetration, Worked @ 25°C (0.1mm)	325	275	240







SCOPE Lithium Complex Grease with 5% Molybdenum disulfide is unleaded lithium complex soap grease with excellent anti-wear and extreme pressure properties. It carries excellent structural and chemical stability and is recommended for roller bearings subjected to very heavy loads and shock loadings.

Main Benefits

- It has good water washout, spray-off and extended service capabilities.
- · Excellent load carrying capability.
- · Corrosion and wear protection.

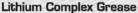
Applications

SCOPE Lithium Complex Grease with 5% Molybdenum disulfide is recommended for universal joints and CV joints of automotive and stationary equipments. It is also used for all general-purpose applications, chassis and plain bearing.

NLGI Grade	2
Soap Type	Lithium complex
Structure	Smooth/Tacky
Mineral Oil Contents %	74
Kinematic Viscosity @ -40°c cSt	320
@ 100°c cSt	22
Dropping Point	250
Corrosion prevention	Pass
Four-Ball EP Weld Load, Kg	400
Four-Ball Wear Test Scar NM	0-4







SCOPE Premium Lithium Complex Grease intended for a wide variety of application. It provides excellent high temperature with excellent adhesion, structure ability and resistance to water. This grease has a high level of chemical stability and offers excellent protection against rust, corrosion and wear, especially on axles, rings and bearings. It does not contain lead, chlorine or nitrite.

Main Benefits

- Excellent resistance to water washes out and contamination.
- High anti-wear and extreme pressure performance to be suitable for a wide range of bearing speeds.
- Extended intervals between relubrication due to long product lift even under sever operating conditions.
- High anti-wear and extreme pressure performance to be suitable for a wide range of bearing speeds.



Applications

Recommended for severe applications where good high temperature and anti-leakage are required, and for construction mining equipment, paper and steel mills and other heavy-duty applications. It is designed to resist to water wash out, water ingress, corrosive environment and shocks and vibrations.

NLGI Grade	1.5
Soap Type	Lithium complex
Penetration at 25°C	305
Dropping Point °C	>260
Kinematic Viscosity @ -40°C cSt (Base Oil)	460
Timken OK Load, Kg	20
Rust Protection, Distilled Water Washout Test	0-0
Acidic Water (ph=4.5)	0-0
Four-Ball EP Weld Load, Kg	315
Four-Ball Wear Test, Scar nm	0.5



MP Calcium Grease

SCOPE Multi Purpose Calcium Greases are made from refined mineral base oil thickened with calcium soap and balanced additive package.

Main Benefits

- Outstanding water resistance.
- Resistance to contamination.
- · Good anti-corrosion and anti-rust properties.

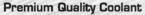
Applications

Automotive applications such as wheel bearings, chassis points, universal joints. Suitable for general applications where speed and load are moderate and operating temperature is less than 80°C

NLGI Consistency	2	3
Soap Type	Calcium	Calcium
Base Oil Type	Mineral	Mineral
Drop Point °C	90	90
Penetration, Worked @25°C (0.1mm)	275	235







SCOPE Anti-Freeze Concentrate is a mono-ethylene Glycol based fluid with anti-rust inhibitor. The concentrate is suitable for all passenger cars, light and heavy vehicles. It provides higher boiling point and lower freezing point than water which makes it anti-boil and antifreeze coolant.

Main Benefits

- · Protect against rust and corrosion.
- · Provide excellent heat transfer characteristics.
- Compatible with all rubber hoses used in cooling systems.
- · Good solubility and stability in both soft and hard water.
- · Outstanding anti-freeze property.

Applications

SCOPE Anti-Freeze Concentrate can be used in all petrol engine cars, 4 WDs, Light and heavy diesel vehicles. It can also be used at 30-50% in softened or de-mineralized water for automotive cooling systems.



Test	Method	Unit	Result 33%	Result 50%
Apperance	Visual	1967	Clear	Clear
Density @ 15°C	ASTM D4052	Kg/L	1.045	1.07
pH	ASTM E70		8.10	7.82
Reflux Boiling point	ASTM D1120	оС	110	110
Reserve Alkalinity	ASTM D1121	ml	0.85	1.20
Foaming Tendency	ASTM D4921	ml	1	1
Freezing Point	ASTM D3321	oC	-25	-37
Copper Strip corrosion, 100°C, 24h	In-house		Pass	Pass



Heat Transfer Fluid

SCOPE HT Heat Transfer fluids are high performance mineral oils and have good thermal conductivity. It is recommended as a heating medium and can operate at a maximum temperature of 270°C. They are available in various viscosity grades.

Main Benefits

- · Uniform heat transfer.
- · Long service life.
- · Protects against corrosion.
- · Prevents deposits.

Applications

SCOPE HT Heat Transfer fluids are recommended in service for closed systems whose bulk temperature does not exceed 270°C .

ISO Viscosity Grades	32	46	68	100
Viscosity, cSt @ 40°C	31	45	67	98
Viscosity, cSt @ 100°C	5.25	6.65	8.50	10.90
Viscosity Index	99	99	96	95
Pour Point	-18	-15	-12	-9
Flash Point COC	210	218	234	244







Marine Engine Oil - 12 TBN & 15 TBN

SCOPE Centex Marine Engine oil are a blend of superior quality high viscosity index paraffinic base stock with balanced additive package. They have TBN value of 12 & 15 and are recommended for crank case and cylinder lubrication of trunk piston type naturally aspirated or turbo charged medium speed marine and stationery diesel engines. Burning heavy fuel up to 1.0% with sulfur content under severe operating conditions.

Main Benefits

- · Excellent anti-wear properties.
- · Reduces ring & linear wear.
- Excellent detergent dispersant properties to reduce deposits formation and keeps the engine clean.
- · Prevents scuffing and scoring of engine parts.
- · Excellent anti-corrosion properties.

Applications

SCOPE Centex Marine Engine Oil can be used for crank case and cylinder lubrication of Truck piston type naturally aspirated or turbo charged medium speed marine and stationery diesel engines.

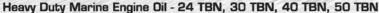
Specifications

SCOPE Centex Marine Engine Oil meets API service classification of API CD.

		12 TBN			15 TBN	11
SAE Viscosity Grades	30	40	50	30	40	50
783	312	412	512	315	415	515
Viscosity, cSt @ 40°C	110	150	220	110	150	220
Viscosity, cSt @ 100°C	12	15	19	12	15	19
Viscosity Index	98	99	97	98	99	97
Pour Point	-24	-21	-15	-24	-21	-18
Flash Point COC °C	230	240	250	228	238	248
TBN mg KOH/gm	12	12	12	15	15	15







SCOPE Centex Heavy Duty Marine Engine Oils are superior quality detergent lubricants blended specifically for use in the truck piston engines in a variety of services. They are available in various TBN Numbers to match the different types of fuels and sulfur content. They are available in Total Base Numbers of 24, 30, 40 and 50 in SAE 30, 40 & 50 viscosity grades.

Main Benefits

- · Excellent Engine cleanliness.
- · Very high oxidation resistance.
- · Very good Base Number retention.

Applications

SCOPE Centex Heavy Duty Marine Engine Oils be used in medium speed diesel engines burning residue fuels.

Specifications

SCOPE Centex Heavy Duty Marine Engine Oils meets the API service classification standards of API - CD.







PRODUCT STORAGE AND SHELF LIFE

- It is absolutely necessary to store products properly to ensure quality. It is recommended to store lubricants indoors at moderate temperature away from dust, moisture and other containing sources.
- If out door storage cannot be avoided, drums must be laid on their sides with bungs horizontal in order to prevent migration of moisture.
- Mixing of oil should be avoided as some oil formulations are incompatible.
- The majority of scope products remain suitable for use up to 3 years when stored properly. This period can be reduced to 2 years or less if stored out doors.
- · Some products may have shorter shelf lives as shown below:

Liquid lubricants/stored indoors	up to 3 years
Liquid Lubricants/stored outdoors	max 2 years
Electrical Insulation oils	max 1 year
Greases	max 2 years
Emulsifiable oils containing biocides	max 6 months











......

SCHEDULE A - LICENSE AGREEMENT

thread to and transact under the Agreement between API and UNITED GREASE & CUBRICANTS CLC

AM SERVICE SYMBOL.
Usersee is sufferied to display the AM Certification Mark on the following products:

BRANC HAVE	GRADE	SERVICE CATEGORY	DESIGNATIO
CYNAM LILTMA SUPREME	209-50	8.	
SCOPE DENIM 2050 DIESEL ENGINE OIL 429	30	064	
SCOPE DENM 2000 ULT, PER DIESEL	109/40	CHASU	
SCOPE DENIM MASS OLDBAL DIESEL	1094-40	04%	
SCOPE DENIM MOS GLOSAL DIESEL	18W-49	01456	
SCOPE DENNI MISS LA, TRABUPEN DIESES.	109/40	634	
SCOPE METRIC DIESEL	1099-40	0.4%	
SCOPE PEGASO	120140		
SCOPE PEGASO	949-30	84	
SCOPE PEGASO	10W-40	39	
SCOPE PERPO 1	209-40	*	
SCOPE PERFO H	109-40	*	
SCOPE PERFO NOS	209/58	E.	
SCOPE PERFO MISS	159-40	58	
SCOPE PERFO MINE	30W-50	546	
TEXAS GLOGAL EXTRA SUPER DIESES.	199-49	0.4%	
TEXAS GRAND PREX	100.40	M	
TEXAS GAND PRIX.	209-50	5.0	
TEXAS TURBO SUPER DESEL	100-40	OH45U	
TEXAS TURBO SUPER DIESEL	30W-83	CHASI	
TEXAS IS TRA SPECIAL	159-40	500	
TEXAS ULTRA SPECIAL	30W-50	56	
TEXAS ULTRA SPECIAL	10941	B	
TEXAS IA TISA SUPER	10040	86	

Director, Product Programs Date: 04-Mar-2008

(mary)

SCHEDULE A - LICENSE AGREEMENT

referred to and Romand under the Agreement betw UNITED GREASE & LUBRICANTS LLC may be used through 31 Mar-2021 are as follows:

API SERVICE SYMBOL

ortand to display the API Contification Mark on the following prod

BIAND WINE	SME VISCOSTY GRADE	SERVICE CATEGORY	PERFORMACE DESIGNATION
ESTAR SUPPLEME DIESEL	1016-40	01457	
I STARS GLOBAL	1500-40	0.4%	
S STARS PLATINUM	TW-40	18.	
S STARS SPECIAL	150-40	St.	
S STARS SPECIAL	2094-00	84	
S STARS SPECIAL	1096-40	84	
S STARS SUPREME	1595-40	01457	
S STARS SUPPLEME DIESES.	2094-50	CH4%	
S-STARS ULTIMATE	1591-40	546	
S STARS ULTRIATE	209-00	SM	
S STARS ULTRA	1597-40	94.	
S STARS UCTRA	20W-00	84,	
S STARTS ULTRA	1099-40	16.	
DERBIT LOXY MALTHEXTRA	1006-40	M	
DERBY LUX MULTI EXTRA	1000-40	M	
DERBY LUX MULTI EXTREME DIESEL	1596-40	8.	
DEPOP LUX MULTI EXTREME DESIGN.	1585-40	0.45L	
DERBY LUX MIA TI POWER	591-46	BL.	
DERBY MIA TI EXTREME DIESEL	159-40	CHARL	
DEREY MALTI POWER	3099.00	84.	
DERBY MIA TI PRENIUM DIESEL	1591-40	01492	
DYNAM 1950 EXTRA PLUS DIESEL	159.40	0.4%	
DYNAM 1850 SUPPLEME DIESES.	159-40	CH4SJ	
DYNAM 1968 EXTRA PLUS DIESEL.	1591-40	C149L	
DYNAM ULTIMA 1	DV-46	B.	

Date: 66.Mar-2020

Literas No. 2016

SCHEDULE A - LICENSE AGREEMENT

UNITED GREASE & LUBRICANTS LLC

API SERVICE SYMBOL.
Licenses is sufferiged to display the API Certification Mark on the following products:

SAE VISCOSITY SERVICE CATEGORY PERFORMANCE DESIGNATION TEXAS IATRA SUPER

MAN Truck & Bus AG

Unted Grosse & Lubricante Co. L.L.C. Mr. Syed Houdsethulla F.O. Box 2555 Ajman Orded Arab Envisore

Testo Senso Antico SANO MICHAEL MICHAE super high performance diesel angine oil works standard

AUDOT high performance desire e M 3277 M 3377 OS D4 2018 OS D4 2019 Middle East, African Countries

We are pleased to Month you that the following service product with the designation Scope Denim 8000 Global Extra Super Diesel Engine Oil API Cia SAE 18W-40

The approval expres extomatically

If the formulation is changed

If there are negative results from the field

Changes of any kind in the formulation must be reported to MAN Truck & Bus AS immediately in writing and may religible a new approval process, for who the manufacture must make an

Vinterdriss full-fluster, Raint States Vinterd Jeach Otes Strategick, primer Latest, Sovetherhold: D. Cargon bis john School, or Securitys, Neth Jopanian Dis der Desembralt Minister
Connection Kollegenschaft (Sertier
Schließen (Sertier
Schließen

MAN Track & Base Add Franklation SEA SIGHT Names of Vigorostockista SEA SIGHT Names of Visitor 1985 H. 600 July Duction of Visitor 1985 H. 600 July Duction of Tentre 1985 H. 600 HIGGS trage-tailurgen vog 102 Une Sentungen Mig. Tragesamheret SJ DAIMLER MINISTER . Mrs. Factor

MB-Approval 229.3 for: "SCOPE PECABO Motor Oil SAE SW-40" OB-Code: ~, SAE-Grade: SW-40 Indicat Incide 1410 A will Chicate LBB 1410 A, AFON December Guide.

Dear Street Madern,

- The distinuing registroom uppy for the Mil-Superval.

 In the Mil-Superval cases into fines or the data Answer on this inciditures

 In the Mil-Superval cases into fines or the data Answer on this inciditures.

 In the Mil-Superval case in the Mil-S

Jana Pan

Nation to Engage about the character of Nation, Engage, 68th S. (Demonal Agency III). This is dispersion of the character of

DAIMLER THE RESIDENCE United Disease & Lubricane Acts. Mr. All Teater See Michael Area De KIMAN UNITED ARAS (MIRATES) THE SAME

MB-Approval 228.5 for: "Scope Denim 9000 super dissel 10w/40 CM" OB-Code: —, EAS-Grade: 10W-40 housed to 18t 1983A with OR-Case LBI 15803A, AFTOR Communi Centr

Dear far or Marken,

- The following explanations apply to the Mil-depress.

 It has Mil-depressed among that there is the same should not this contilizate.

 It has Mil-depressed among that there is the same should not this contilizate.

 The Mil-depressed among that the same planets there is beined yet and at the leaser.

 The Mil-depressed among the same planets there is beined in the product of the should not the depressed among the same planets that the same planets that the same planets that the same planets among the same planets among the same planets among the same planets among the same is not the same beine planets among the same is a continue, the suppresses and down in the "Williageness Regarding Augment for Capaning Publish" coverage and past to AC 2014 region.

A 2 item justin up sample of each functionism, which can be called upon by Darmer AS or any gover noment, must be included for all seed 2 years. We sell below put at the deposits address.

Jana tean

Section 10, Section - Sect





VOLVO

Visio VDB 3 approver 1960 Mick CON approver 1960 Sensell VEROS Jagenour No.

efficience. This approval is author based on information submitted by the appropriat and his flushed effly of each is heade by Water. Hence, Value falses no nequencially by whose that the quality of it about is continuously maintained. This is this issue responsibility of the Company (see access).



February 26, 2018

ERM/DG/AA

Besid on the information given by your company and our equipme, PORDONE is going to approved extraving to the Perspike all category AAD sourcests, wall for prival engines as accordance with the Gener's Chestures to contr

South Propose Moder Str. SAC STREET AND SACRO Str. code: LESS 147/07-A

We will include your motion of in the sent zoom of our "feather, a information figure Cot". This approval will expire on February 28, 2020; if no extension is requested before in good time.

This may infant your customers alout this approved diversitie "ANDI in a discription, considerating manner in month feelback not larger than the over that is used to express the fulfirment of other manufacturant provides. Any further witnesses to Provide or the used of the contral and larger of Provides is directly provided on the used of the contral and larger or if Provides is directly provided on the used of the contral and larger or if Provides is directly provided on the contral and any interest of t

Tours strowely.

St. Ing. N.J. F. Parsone Relanguageschaft Advanced Cognisering Powerings Days.

CO Dis A A.P. Dang on POST A Forms
PARKETON OF THE PA

VOLKSWAGEN

United Grasses & Lubricante Co. LLC Veser All PO Box 2885 Agree United Arab Emirates

2611,2016 ---

Dear Mr Year All.

So that it is not a soft qualifiers and workings that his approve has been granted, containing should state. "approved under VW Standard SSZ 65 and VW Standard SSE 65" Please hits that this approprie express efter 36 months, at which point compliance with the their valid into standards must be verified again.

COMPORNANCE TO CES 200% ENGINE OIL SPECIFICATION

Rysults that that according to CES 39076 have free presented to Commiss. So view of the smalls I would like to give the following commons. The results have been found to be within the CES 200% there and better with boundaried as stated in your request can be labeled as confusining to CES 2000s.

The oils shall be used per the arctions are present and NAE grade problems in the origine specific Operation and Mysomonous (O.A.Ms named as well as in day Carmitin service describes). Please write Customins Inc. If the Europeanous of this product changes

Broad None: Surge Desire MOD Clothel Direct SAE CFW-40 CS-45E, 3-46 Grade: 17W-40

I hope this information will be of assistance to you.

Sin D Whitene

Shows D. Whiters Chemical Technology

MEXIAMEN Policy appreciate town the consistence or making his delimital, software information persons in the superconstant of the quantification, and since the self-appreciate or politicists, or quantification, thereties, in the superconstant or the constitution or authority or short superconstant or dependence of property and of states. Represent the CES 2015 date and some product liabilities of the repulsation or startered. Constitution date services the performance of any Constitution and the constitution of the superformation or startered. Constitution date are warried the performance of any Constitution.



CONFORMANCE TO CES JUST ENGINE DIE SPECIFICATION

Results from mins according as CES 20171 have been prevented or Cassainn. In rows of the results if weight list on pile the following conserves.

The results have been found to be within the CES 20171 factor and hance with formicisted as search in your expert care for blooked as conducting or CES 20171.

The side shall be used per the pathway ampenature and LAR goale guidelines in the engine spatisfic Diperation and Maintenance (CA M) manual as well as to any Committe service decommon. Places worldy Commons has of the financiation of this product changes.

Broad Pealer Stripe Device 9900 Chinal Devail SAE 119F-41 (C-ett.). SAE Strake 119F-40 Dopolic inference will be of second to you

Sin D Whene



Does Typed.

CONFERMANCE FOLKES DIMPLENCIANE OR, SPECHECATION

Reachs from trace according to CELES 2007 figure been presented to Commisse. In view of the sensits I consider the findering commisses.

The seach how how the findering to will the CELES 2007 firms and better oils formulated as required in participant can be forther an endinning to CELES 2007 firms and better oils formulated as required in participant can be forther an endinning to CELES 2007 firms and better oils formulated as required in the first participant of the forther an endinning to CELES 2007 firms.

The selected by small per the authors unique axes and NAE grade positions in the engine quarter Operation and Maximum s(0.0,M) is against an end on a resp. Commission service decuments. Place with Common by: If the invasions of this product changes

Read Note: Stops Descr 800 Gotal David SAE 15W 40 Cl-65E, SAE Graft 15W-60

I began this substration will be of assessment to you.

Si D Whence

Share S. Wisser Chesical Trobusings

CONT. LANCE Produce represent report to contribution or business the factoriest collected distributed or business. The contribution of the Contrib

Fernance States Principle Street





DAIMLERCHRYSLER

United Greace & Lubricants L.L.C. F.O. Soc. 2005

New Hose Service New York Committee Service Service D 611

Approval for Your Engine Oil "Scope Denim 2070"

Your shows mentioned service probest, complies with the requirements of the Mancedon-Boro Spondingstone for Service Products, Sheet 228.1 and is therefore approved for Mancedon-Boro Spondingstone, the applications are again shown of this state, respectively, replicated or Sheet 223.2 Our other spondingstone, e.g. \$3.6 patters, capacities, change intervals, etc. I have 11 be obtained as with

A 2 line sample of each formulation and every \$46.Grede must be retained at all times, which can be called upon by DalmlarChrysler AS at any given mament. We will advise the address:

i.V. Lastes 1 B Lace

Demonstrates, Burgar (I) entitled Abbert Abbert (Ab) (III).

In ord Angement (Instead of Abbert Abbert (Instead of Ab) (III).

In ord Angement (Instead of Ab) (III).

In ord Angement (Instead of Ab) (III).

Angement (III).

Ang

MAN Truck & Sus AG

ON TWO S.R.A.D. Plantar WICE WILLIAMS CO. S.S.C. St. Specification Co. S.S.C. St. Specification Co. S.S.C. St. Specification Co. S.S.C. Specification Co. S.S.C. Specification Co. S.S.C. Specification Co. S.S.C. Specific

section to be a section of the secti

Protospotion of approval approval M-3275-1 (Multipraduce)
Start of approval (62 50 2008)
Protospotion of approval and ST 15 2009
Methoding areas: (62 Commiss Matter Earl, Fat Earl, Mriga Euripe
Methoding areas: (62 Commiss Matter Earl, Fat Earl, Mriga Euripe

we are pleased to known you that the approval for the augus high performance based angine on bearing the designation $% \left\{ \left\{ x_{i}^{2},x_{i}^{2}$

Score Denne 9000 Global Danel Engage of has been protogeted for the next times years under MAN appropriation TUC 7947/08 for SAE 15W-40

The protorgation is only available to the unchanged termulation and in conditional original approval letter. The approval will automatically eight at the port in one right unless an protorgation has been applied for in good time for the masse or supplier.

MAN Truck & Bus AG Criscia Japan

terminate de Autoritantes. Autorit Sporce Terminate Angleir Autoritante (Angleira Angleira Angleira Angleira Angleira Angleira Angleira Angleira (Angleira Angleira A

DOT Took & Ray 642
Franker and 20 to 2000 Morrowsy
Franker and 20 to 2000 Morrowsy
Franker and 20 to 2000 Morrowsy
Franker and the other formation
Franker and Franker and the other formation
Franker and Programmer Alignates Continuous No. Vagorinos III KAG

Hydraulic Oil Analysis

Concarry Norms: United Grease & Lobropeia Co. LLC Vancor Code No: Sodpe Taxtree AW (50-4) MAS Specification: P-19 Status: APP

Vaccedy (ASTM D ANS, 40° Q 47° C) 45.2 Care (ASTM D 1900) 8.5
Face (ASTM D 90, C GC 71' A45
Face (ASTM D 90, C GC 71') A45
Face (ASTM D 90, C GC 71') A45
Face (ASTM D 90, C GC 71') A45

After Theoree Stability Sect Applie 854 Day 28

Test Procedure: A CYES for \$6,155 YE.
Vanney (risk \$6,40 YE): 487

Vanney (risk \$6,40 YE): 487

Not Value Discribin (MAID Coord Discribin): 5844 L. Cupper 3

Not Value Discribin (MAID Coord Discribin): 5844 L. Cupper 3

Not Value of Discribin (risk 200 Hz): 5844 L. Cupper 3

Not librari (see yeq): 270 Hz): 5844 S. Cupper 43

Total Precontals (reg / 100 mL.) 6.36 Copper Visight of Cennell 6.9 Whatman Precontain: 1.48 Millions Precontain: 4.8

* Modes: Froduct is Approved for MAD 9.73 Specification. Other product names are effect Approved as Dynam Super Duty Hydraulic OE GO 46 and Detty Hydraulic OE GO 45.

KAG

Bjed Khustamute General Wanager United Drases & Latercarte Co. ULD P.O. Bus 2005 man Mari Aren Elminoles

August 22, 2012 (TRE)

Dear No. Household. The following products have that the recomment to the MAG P-EpicoEcoloms as shown below. These products will alphase in our Approved Librories listings as shown below unless we

United Green & Lubritants Co. LCC

PRODUCT NAME DIAG PLANE MAD REPE Stone Technic RR 40 P-10 Total 2 Cynem Super Dury Mychaulis Cir Sib de R-10 P-10 Derty Hydraulis Cir Sib d 41 R-10 Scope Teatron AW 68 P.49 Cymum Super Duty mydraudic 00 (50 46 P.49 Darlor Modwydie 58 850 48 P.49

Ditto Adamour

Miles and American Services and American Ser

SAG

(Married)

Hydraulic Oll Analysis

Company Name: United Greate & Lubriquette Co. LLC Vendor Code No. Scope Textron AW ISO 68 MAS Specification: P-49 Status. APP

Vacces y ASTN D 443, clin g 40° C; 47° 3 Cole y ASTN D 1900; 45° Fash y ASTN D 510; Clic 1") + 488 Ace 450 y ASTN D 1701; 848 Product Name Suspe Factors AST 50 56

After Thermal Stability Test Test Procedure: A (168 for @ 138 °C) Acid No. 0.39
Vaccesty (cdt @ 40 °C): 88.6 Color: 2.5
'5 Vaccesty (Categor: 2.5
'5 Vaccesty (Categor: 2.5) Street 1, Capper 3

Rad Weight of Deposit (mg / 200 mL.) Steel 6.8, Capper 1.8
Rad Metal Loss (mg / 200 mL.): Sheel 6.4, Capper 8.5

Total Precipitate (mg / 100 mL); 13.8 Copper Weight of Deposit 9.75 Whatman Precipitate 8.65 Millipore Precipitate 4.4

* Notes: Product is Approved for MAG P-68 Specification. Other product names are also Approved as Dynam Super Sury Hydraulis, Oil 150 48 and Dedy Hydraulis On ISO 68.

SAG

Hydraulo Ol Anahris Le Sc. 76612

6s.Decemb Vaccety (ARTM DI4E, 681 © 47 C) 482 Occ (ARTM DI500 BA Flavo (ARTM DI5, C.O.C. 97) 445 Ascho (ARTM DI500 BB Flavo (ARTM DI5, C.O.C. 97) 445 Ascho (ARTM DI500 BB Flavo (ARTM DI500 BB) Flavo ARTM DI6E

After Treme Spoks Test

The Proposition A PARE Not \$1.00 °C)

The Proposition A PARE Not \$1.00 °C)

Annual Control Con

Total Precisions (mg./ 100 ml.) 4.35 Copper Weight of Deposit 6.9 Whatman Precisions 1.45 Militaries Precisions 4.5

* <u>Notes</u>, Preduct is Approved for MAD P-76 Specification. Other product names are also Approved as Oynam Super Duty Mydraulis OII 8D 48 and Dutty Hydraulis OII 8D 46.





الشركة المتحدة للشحوم و الزيوت ذم.م.

UNITED GREASE & LUBRICANTS Co. L. L. C.

P.O. Box: 2685, Ajman - United Arab Emirates Tel.: +971 6 743 6521, Fax: +971 6 743 9709 E-mail: sales@unitedgrease.ae | www.unitedgrease.com



