



High Performance **Lubricants**

**AXCL**

5<sup>th</sup> edition



AXCL LUBES has been setting the standards for continuous innovation, research and development and consistency in delivering world-class products in the lubricants industry. For over two decades, AXCL has been the leading total lubrications solution provider creating dependable energy efficient products engineered to enhance productivity across industries.

With a growth rate of 20% annually, AXCL LUBES, is one of the fastest growing companies in the UAE. Equipped with state-of-the-art production facility, AXCL LUBES is one of the regions largest manufacturer of lubricants with a comprehensive line of leading edge premium lubricants ideal for use in a diverse range of industries.

Exporting to over 25 countries in 4 continents, AXCL LUBES branded lubricants have made a profound mark in the lubricants industry. Being ISO 9001:2000 QMS certified and approved by major auto manufacturers such as Daimler-Chrysler and Volvo has proved AXCL lubricants to be of the highest standards.

VARIETY - STABILITY - QUALITY - RELIABILITY : By combining these core attributes, we continuously increase our value to our customers. No matter how our customer's needs are specific or challenging, our teams of experienced lubricants specialists study and propose a complete solution that best fits the requirement. We also have the flexibility to tailor make our products as per your needs.

We realize that customer loyalty is our lifeline. Customer service is top priority and that starts with our culture and every AXCL product is backed by the first-class service and support you expect from an industry leader and a dedicated team to provide information and assistance.

With a state of art warehousing and logistic infrastructure, we provide our customers with timely and ready solutions helping our clients experience the AXCL advantage.

AXCL LUBES - leading the way in high performance lubricants!!!



## AXCL GTI4 Gasoline Engine Oil (Fully Synthetic)

AXCL GTI4 Synthetic lubricants offer superior performance for the higher power and speeds in today's engines. It delivers extraordinary lubrication in all types of automotive gasoline engines. Its unique and proprietary formula helps your vehicle maintain maximum horsepower by reducing harmful deposit formation.

### Performance Level

ILSAC GF-5, API SN, GM dexos (TM)1

### Benefits and Advantages

- An advanced additive package that neutralizes corrosive particles, preventing them from grouping together and forming power-robbing sludge.
- Stability and endurance under extreme conditions [heat, load, speed] that can cause conventional oils to break down.
- Superior engine protection that outperforms leading conventional and synthetic blend oils, passing severe industry torture tests.

### Typical Properties

SAE Grade	Test Method	0W-20	5W-20	0W-30	5W-30	10W-30
Viscosity@100°C, cSt	ASTM D 445	8.8	8.7	10.4	10.5	10.5
Viscosity@40°C, cSt	ASTM D 445	46.7	50.2	58.3	60.1	62.5
Viscosity Index	ASTM D 2270	170	153	170	166	158
Pour Point	ASTM D 97	-53	-53	-51	-51	-48
Flash Point, PMCC, C min	ASTM D 92	232	232	228	226	232
Total Base Number	ASTM D 2896	12.6	12.6	12.6	12.6	12.6



## AXCL GTI3 Gasoline Engine Oil (Semi Synthetic)

AXCL GTI3 is a semi-synthetic lubricant specifically formulated to meet high performance requirements of the latest model car and trucks. GTI3 is superior to conventional oils as it exhibits a higher viscosity index, better thermal and oxidation stability as well as lower volatility. AXCL GTI3 is fortified with unique phosphate esters.

### Performance Level

API SM/CF, ILSAC, GF-4

### Benefits and Advantages

- Improved fuel economy & power output
- Reduced emissions
- Enhances life of crankcase
- Extended drain capability
- Superior lubrication- increased engine life

### Typical Properties

SAE Grade	Test Method	10W-30	10W-40	15W-40	15W-50	20W-50
Viscosity@100°C, cSt	ASTM D 445	11.40	14.5	14.97	17.5	18.91
Viscosity@40°C, cSt	ASTM D 445	77.22	102	116.4	146	146.9
Viscosity Index	ASTM D 2270	139	150	133	136	130
Pour Point	ASTM D 97	-36	-33	-31	-30	-24
Flash Point, PMCC, C min	ASTM D 92	234	238	242	249	249
Density @15C, Relative	ASTM D 1298	0.865	0.866	0.872	0.872	0.873



## AXCL GTI2 Gasoline Engine Oil



AXCL GTI2 is a unique engine lubricant specifically formulated to meet high performance requirements of the latest model car and trucks. This product was specially designed for use in sports cars and luxury vehicles that require a highly stable engine oil that will withstand the most extreme demanding performance criteria. It is so thoroughly tested that it has been approved by the internationally recognized organization known as the API (American petroleum Institute) and their department called the Eolcs. This product carries the full donut approval for API SL/CF-4 and energy conserving (EC).

### Performance Level

API SL/CF-4, MIL-L-46152D, CCMC G5/PD2

### Benefits and Advantages

- Improved fuel economy & power output
- Reduced emissions
- Enhances life of crankcase
- Extended drain capability
- Superior lubrication – increased engine life down.

### Typical Properties

SAE Grade	Test Method	15W-40	20W-50	20W-60
Viscosity@100°C, cSt	ASTM D 445	15.19	19.77	23.75
Viscosity@40°C, cSt	ASTM D 445	120.9	191.3	277.2
Viscosity Index	ASTM D 2270	130	119	107
Pour Point	ASTM D 97	-27	-24	-15
Flash Point, PMCC, C min	ASTM D 92	>220	>230	244
Density @15C, Relative	ASTM D 1298	0.882	0.882	0.808

## AXCL GTI Gasoline Engine Oil



AXCL GTI is a high quality motor oil intended for use in passenger cars that have normally aspirated engines or turbo-charged engines. These oils are most suitable for new cars and light trucks that require multi-grade properties. It meets and exceeds the requirements of API SJ/CF as well as the G5 and PD2 requirements of CCMC/A-CEA. It also exceeds the car manufacturers engine oil performance criteria. AXCL GTI motor oil is specifically designed to provide extra protection against corrosion, oxidation, sludge and rust. The built-in viscosity improver protects in extreme weather conditions.

### Performance Level

API SJ/CF, MIL-L-4152D, CCMC G5/PD2

### Benefits and Advantages

- Lowers oil consumption
- Provides a cleaner & smoother running engine
- Enhances life of crankcase
- Protects against rust and corrosion

### Typical Properties

SAE Grade	Test Method	15W-40	20W-50	20W-60
Viscosity@100°C, cSt	ASTM D 445	15.19	19.77	23.75
Viscosity@40°C, cSt	ASTM D 445	120.9	191.3	277.2
Viscosity Index	ASTM D 2270	130	119	107
Pour Point	ASTM D 97	-27	-24	-15
Flash Point, PMCC, C min	ASTM D 92	>220	>230	244
Density @15C, Relative	ASTM D 1298	0.882	0.882	0.808





## AXCL CNG Motor Engine Oil

AXCL CNG is a premium multi-grade lubricant specifically designed for use in compressed natural gas (CNG). It is specifically formulated to provide reliable protection for trucks, buses, passenger cars and other commercial vehicles using Compressed Natural Gas (CNG). It is formulated from high quality base stocks and a balanced additive system. This advanced medium ash formulation provides excellent oxidation, nitration, and thermal stability to minimize combustion chamber ash deposits. It lubricates with less varnish, sludge, and carbon build-up under the most severe operating conditions.

- High thermal and oxidation stability helps control sludge build-up and deposits.
- Shear stability reduces oil consumption.
- Effective detergency/dispersancy keeps engines cleaner.
- Low levels of Zinc and Phosphorous help extend catalytic converter life.
- Longer drain capability compared to conventional fleet engine oils.
- Excellent resistance to foaming and corrosion.

### Typical Properties

SAE Grade	Test Method	20W-40	20W-50	40
Viscosity@100 °C, cSt	ASTM D 445	15.19	19.77	14.5
Viscosity@40 °C, cSt	ASTM D 445	120.9	191.3	142
Viscosity Index	ASTM D 2270	130	119	96
Pour Point	ASTM D 97	-27	-24	-15
Flash Point, PMCC, C min	ASTM D 92	>220	>230	224
Density @15C, Relative	ASTM D 1298	0.882	0.882	0.893



## AXCL TUK-TUK Motor Engine Oil

These oils are specially designed keeping in view the high temperature operating conditions encountered in air cooled 3-wheeler engines unlike in the case of passenger car engines, which are water cooled. Further these oils possess special frictional properties required for smooth operation of wet clutches used in these vehicles. These oils provide outstanding oxidation and wear protection for extended oil & engine life. These oils minimize engine deposits due to excellent sludge and varnish control. Being multigrade oils, these are suitable for use in all seasons.

AXCL TUK TUK is specially recommended for vehicles operating at high ambient temperatures and/or severe operating conditions.

- Higher viscometrics provide better lubrication at all operating temperatures and reduces Engine Noise.
- Reduced maintenance & operating costs due to excellent wear protection to Engine parts & Gears.
- Outstanding protection for 3-wheeler gasoline engines.
- Excellent cleanliness and wear protection in high-temperature/hot-running engines, even at longer drain intervals.
- Suitable for use in Tuk Tuk (Autorickshaws) operating on Petrol fuel.

### Typical Properties

SAE Grade	Test Method	20W-50
Viscosity@100 °C, cSt	ASTM D 445	18.1
Viscosity@40 °C, cSt	ASTM D 445	164.5
Viscosity Index	ASTM D 2270	123
Pour Point	ASTM D 97	-21
Flash Point, PMCC, C min	ASTM D 92	240
Density @15C, Relative	ASTM D 1298	0.882



#### Typical Properties

SAE Grade	Test Method	5W-30	5W-40	10W-30	10W-40
Viscosité @100°C, cSt	ASTM D 445	11.7	14.5	12.0	14.5
Viscosité @40°C, cSt	ASTM D 445	67.9	90.8	60.6	98.3
Indice de Viscosité	ASTM D 2270	168	167	144	152
Point d'écoulement	ASTM D 97	-50	-46	-38	-39
Point Flash, PMCC, C min	ASTM D 92	240	238	220	230
Nombre de Base Total	ASTM D 2896	12.1	12.1	12.1	12.1

## Huile Pour Moteur Diesel AXCL XDI4 (entièrement synthétique)

L'huile lubrifiant synthétique AXCL XDI4 est le choix privilégié pour l'huile diesel de qualité API CJ-4 requise par les moteurs diesel de dernière génération à partir de l'année 2007 et les plus récents. Elle offre une lubrification extraordinaire dans les moteurs diesel dans les véhicules commerciaux et les voitures personnelles et les flottes. Conçue avec la dernière technologie d'huile de base synthétique et d'additifs, AXCL XDI4 dépasse les exigences de performance des moteurs modernes. Elle résiste aux contraintes de chaleur, de la suie et des acides pour éviter les dépôts, l'usure et la corrosion. AXCL XDI4 est exempte de cire avec une large gamme de viscosité pour offrir un démarrage exceptionnel à froid et une protection contre les températures élevées. Elle résiste à la décomposition et offre une efficacité énergétique maximale sur des périodes prolongées de vidange.

#### Niveau de Performance

API CJ-4, CI-4+, CF, SM, ACEA E7,E9, Mack EO-O Premium Plus, DDC Power Guard 93K218, Caterpillar ECF-3, ECF-2, Cummins 20081, Volvo VDS-4, MB 228.31, MTU Type I & II, MAN 3275, JASO DH-2, Global DHD-1, Renault RLD-3

#### Bénéfices et Avantages

- Dépasse les exigences relatives aux systèmes d'émission
- Prolonge l'intervalle des vidanges
- Améliore l'économie de carburant
- Réduit la consommation d'huile et des émissions.



#### Typical Properties

SAE Grade	Test Method	10W-40	15W-40	15W-50
Viscosité @100°C, cSt	ASTM D 445	15.7	15.14	19.7
Viscosité @40°C, cSt	ASTM D 445	124	114.9	166
Indice de Viscosité	ASTM D 2270	133	137	132
Point d'écoulement	ASTM D 97	-35	-30	-27
Point Flash, PMCC, C min	ASTM D 92	220	>220	>230
Nombre de Base Total	ASTM D 2896	11.5	11.5	11.5

## Huile Pour Moteur Diesel AXCL XDI3 (Semi-synthétique)

AXCL XDI3 est conçue pour fournir la meilleure performance dans les moteurs diesel utilisés dans les industries lourdes. Lydian offre une excellente protection contre les intempéries et contrôle l'émission dans les moteurs fonctionnant à grande vitesse. Elle est formulée avec des additifs de dernière génération et est recommandée par OEM pour l'utilisation dans les moteurs européens, américains et japonais.

#### Niveau de Performance

API CI-4 PLUS/SL, ACEA A3/B4/E7, MB 228.3/229.3, VW 502.00/505.00, JASO MA, JASO DH-1, Global DLD-2/DLD-3, Ford M2C153-H/171-C

#### Bénéfices et Avantages

- Très bonne résistance à la corrosion et à l'oxydation à haute température
- Excellente état de propreté du moteur et résistance à la formation de boues
- La caractéristique multigrade SAE 15W40 permet une utilisation durant toutes les saisons
- Pour l'application dans les flottes mixtes où le produit rationnel est requis



## AXCL XDI2 Diesel Engine Oil

AXCL XDI2 diesel engine oil is manufactured to provide premium all round performance in diesel engines used for the road transport and construction industries. Lydian provides excellent all weather protection and controls the emissions in high speed engines. It is blended with the latest additive technology and recommended by OEM'S for use in European, American and Japanese manufactured engines.

### Performance Level

PI CH-4/CG-4/ CF/SJ - ACEA E3-96 ISSUE 3 - ACEA A3-98/ B3-98 ISSUE 2/B4-02 - VOLVO VDS 2 RENAULT VI RD - MACK EO-M - ALLISON C-4 (LEVEL) - MB 228.2/3 - MB 229.1 - MAN M3275 MTU/DDC TYPE 2 - CUMMINS 20071/20072

### Benefits and Advantages

- High alkalinity reserve
- Advanced additive technology
- Control of low temperature sludge and deposits
- Low emission technology

### Typical Properties

SAE Grade	Test Method	15W-40	20W-50
Viscosity@100°C, cSt	ASTM D 445	14.3	19.5
Viscosity@40°C, cSt	ASTM D 445	141	182.6
Viscosity Index	ASTM D 2270	130	123
Pour Point	ASTM D 97	-23	-21
Flash Point, PMCC, C min	ASTM D 92	222	235
Total Base Number	ASTM D 2896	12.0	12.0



## AXCL XDI Diesel Engine Oil

AXCL XDI diesel engine oil is a highly advanced lubricant designed for the demanding applications in all types of naturally aspirated and turbo charged engines. This product is suitable for both petrol and diesel engines especially for engines in commercial, agricultural and industrial vehicles. It provides excellent protection and controls the harmful effects of sludge build up. It also provides protection from wear & tear and enhanced oxidation stability.

### Performance Level

API CF-4, MIL-L-2104E, MIL-L-46152C, CCMC D4, ALLISON C-3

### Benefits and Advantages

- Enhances engine life
- Outstanding control of high temperature deposits
- Control of low temperature sludge and deposits
- Better alkalinity (TBN) retention & detergency

### Typical Properties

SAE Grade	Test Method	15W-40	20W-50
Viscosity@100°C, cSt	ASTM D 445	14.3	19.5
Viscosity@40°C, cSt	ASTM D 445	141	182.6
Viscosity Index	ASTM D 2270	130	123
Pour Point	ASTM D 97	-23	-21
Flash Point, PMCC, C min	ASTM D 92	222	235
Total Base Number	ASTM D 2896	10.5	10.5



## AXCL Transgear Oil

AXCL Transgear Oil specialized gear lubricant contains highly developed sulphur-phosphorous extreme pressure (EP) additives that are designed to meet rigorous demands of commercial-fleet manual transmissions, drive axles and final drives. Its special additive technology assures an excellent protection against metal-to-metal contact of the gears under the most severe operating conditions, even under shock loads. This product is highly suitable for heavy earth moving equipment, farm equipment and passenger cars. It provides excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and have demonstrated good rust protection resulting from water contamination and wet conditions. Furthermore, the viscosity grades have an excellent low temperature fluidity for an optimum performance during all seasons. It shows an excellent oxidation and thermal stability. Seals are not affected by this product.

Recommended for use in hypoid or spiral bevel gear differentials and industrial gear units. Heavy-duty manual transmissions, axles. On-highway light and heavy-duty trucks, busses, vans, and cars. Off-highway industries including: construction, mining, quarrying, and agriculture. Other heavy-duty industrial and automotive applications involving hypoid and other gears.

### Performance Level

API GL-5/MT-1, BTR 5M-31, MIL-L-2105D, ZF TE ML-01/02/05/07/08

### Typical Properties

SAE Grade	Test Method	75W-90	75W-80	85W-140	80W-90	140	90
Viscosity@100°C, cSt	ASTM D 445	16.35	7.540	28.0	14.5	28.0	14.5
Viscosity@40°C, cSt	ASTM D 445	112.3	53.23	387.0	137.0	387.0	137.0
Viscosity Index	ASTM D 2270	157	107	98	105	98	105
Pour Point	ASTM D 97	-42	-39	-21	-27	-9	-12
Density @15C, Relative	ASTM D 1298	0.889	0.866	0.903	0.892	0.903	0.892



## AXCL Transgear Oil LS 90

AXCL Transgear LS gear oils are formulated to meet the requirements of spin resistant (Limited Slip) differentials. This limited slip differential oil contains a unique friction modifier, as well as an Extreme Pressure additive package, making this fluid suitable for use in hypoid differentials that operating under severe conditions. It is recommended for initial fill, refill or top-up of limited slip type differentials and normal hypoid type differentials.

- Very good viscosity temperature behaviour because it stays in grade and maintains its characteristics even in severe conditions.
- Protect gear failures – deposits, rust and wear. The advanced Extreme Pressure additive ensures maximum wear protection and enhances component life.
- No loss of performance. Protects all metals normally found in gearboxes against corrosion and does not leave deposits on oil seals.
- Lower maintenance costs. The long life characteristics of this LS hypoid gear oil reduces wear related down time.
- Outstanding protection against wear. The lubricating film remains stable under very high loads and foaming is minimal at high speeds.
- Recommended for machineries with requirements mentioning API GL-5 LS, MT-1, MIL-L-2105D (only 90 grade), Ford M2C-104-A

### Typical Properties

SAE Grade	Test Method	90
Viscosity@100°C, cSt	ASTM D 445	14.5
Viscosity@40°C, cSt	ASTM D 445	137
Viscosity Index	ASTM D 2270	98
Pour Point	ASTM D 97	-22
Flash Point, PMCC, C min	ASTM D 92	230
Density @15C, Relative	ASTM D 1298	0.892



## AXCL Multitrans Auto Transmission Oil

AXCL Multitrans ATF est un fluide très raffiné fabriqué à partir d'huile de base à solvants, d'agents améliorant l'Indice de Viscosité, d'antioxydants, d'anti-usure, de détergents et de modificateurs de frottement spéciaux. Elle est recommandée pour toutes les transmissions automatiques notamment GM DEX III, Ford Mercon fluide ou BTR 4 vitesse 85 et 95 LE, Ford ZF 6. Elle est produite à partir d'huile de base de haute qualité et de paquets d'additifs bien choisis. Elle présente une excellente stabilité à l'oxydation, elle possède des propriétés à basse température, minimise la formation de gomme, de boue et de vernis, une excellente protection contre la rouille, la corrosion et l'usure.

- Protège les pièces métalliques de la corrosion
- Protège les engrenages de transmission et leur permet de fonctionner facilement
- Fournit des débits souples pour le démarrage à froid
- Empêche la dégradation du fluide à des températures de fonctionnement les plus élevées
- Offre une excellente stabilité à l'oxydation dans des conditions extrêmes
- Large gamme de compatibilité des joints.

Répond aux exigences suivantes:

DEXRON®, DEXRON®-II, DEXRON®-III • MERCON®, MERCON®V • Allison C-4 • Toyota T, T-III, T-IV, Honda Premium Formula ATF, ATF-Z1 (except in CVTs) • Mitsubishi/Kia/Hyundai SP, SP-II, SP-III • Nissan Matic-D • BMW LA2634, LT71141

### Propriétés typiques

SAE Grade	Test Method	10W-30
Viscosité@100°C, cSt	ASTM D 445	7.8
Viscosité@40°C, cSt	ASTM D 445	38.5
Indice de Viscosité	ASTM D 2270	179
Pour d'écoulement	ASTM D 97	-45
Point Flash, PMCC, C min	ASTM D 92	198
Densité@15C, Relative	ASTM D 1298	0.850



## AXCL Loxy Automatic Transmission Fluid

AXCL Loxy ATF est un fluide hautement raffiné fabriqué à partir d'huiles de base de solvants, améliorant l'Indice de Viscosité, d'antioxydants, d'agents d'anti-usure, de détergents et de modificateurs de frottement spéciaux. Ce liquide de transmission automatique très avancée peut être utilisé dans des applications telles que les systèmes de direction assistée, les systèmes hydrauliques et hydrostatiques.

- Offre une excellente résistance à la corrosion, à la mousse, au cisaillement et à la formation de rouille.
- Offre un haut degré de propriétés anti-usure et extrême pression
- Offre des excellentes propriétés de frottement et de transfert de chaleur
- Comportement parfait à basse température
- Compatibilité éprouvée avec les élastomères [joints]
- Résistance supérieure à l'oxydation

### Propriétés typiques

SAE Grade	Test Method	Type A	Dex II	Dex III
Viscosité@100°C, cSt	ASTM D 445	7.0	7.0	7.1
Viscosité@40°C, cSt	ASTM D 445	42.7	39.0	34.8
Indice de Viscosité	ASTM D 2270	100	162	178
Pour d'écoulement	ASTM D 97	-32	-36	-41
Point Flash, PMCC, C min	ASTM D 92	196	216	176
Densité@15°C, Relative	ASTM D 1298	0.87	0.86	0.85





### AXCL-GUARD Brake Fluid DOT-4

AXCL-GUARD brake fluid is a heavy duty, high boiling point, synthetic brake and hydraulic clutch release fluid. It is suitable for all conventional drum and disc brake system. It exceeds requirements for wet and dry equilibrium reflux boiling points to help prevent vapour lock resulting from boiling of the brake fluid even under the harshest conditions.

- Consistent and safe brake performance under severe braking pressure.
- Reduces leakage and loss of fluid to a minimum
- Extended life and reliability of brake system components

Meets or exceeds all passenger car and light truck manufacturer's warranty requirements for vehicles or brake systems where an FMVSS No. 116 DOT 3 or DOT 4 brake fluid is specified.

#### Benefits & Advantages

- Engineered to provide outstanding performance in today's high temperature braking systems
- Recommended for all anti-lock braking systems (ABS), hydraulic drum and disc braking systems and hydraulic clutches requiring DOT 3 or DOT 4 fluids
- Exceeds DOT 3 and DOT 4 and all leading auto manufacturer's requirements

#### Typical Properties

Test	Test Method	Result
Viscosity at 40°C, cSt	ASTM D-445	1100
Boiling Point (ERBP), min °C (°F)	SAE J-1703	270
Appearance		Pale Yellow
pH	FVMSS-116	7.5 - 10.0
Flash Point, COC, min °C (°F)	ASTM D-92	121 (250)
Specific Gravity, 60°F	ASTM D-1298	1.055



### AXCL-GUARD Brake Fluid DOT-3

AXCL-GUARD is a high quality brake fluid blended from glycol ethers and Polyglycols. It is formulated to contain oxidation and corrosion inhibitors to enhance its chemical stability.

- Consistent and safe brake performance under high braking pressure.
- Reduces leakage and loss of fluid to a minimum
- Improved life and reliability of brake system components

Meets or exceeds all passenger car and light truck manufacturer's warranty requirements for vehicles or brake systems where an FMVSS No. 116 DOT 3, SAE J1703, ISO 4925 Class 3 brake fluid is specified.

#### Benefits & Advantages

- High boiling point to prevent vapour forming in brake systems
- Firm braking pressure in all operating conditions
- Excellent chemical stability
- Protects metals and rubbers used in brake and hydraulic systems

#### Typical Properties

Test	Test Method	Result
Viscosity at 40°C, cSt	ASTM D-445	1250
Boiling Point (ERBP), min °C (°F)	SAE J-1703	265
Appearance		Pale Yellow
pH	FVMSS-116	7.5 - 10.0
Flash Point, COC, min °C (°F)	ASTM D-92	121 (250)
Specific Gravity, 60°F	ASTM D-1298	1.032



## AXCL Tractor Oil

AXCL Tractor Oil is a high quality multi-functional, specially formulated for use in four stroke normally aspirated and turbocharged engines. It can be used in various types of tractor crankcase, combine harvesters requiring single oil for the Tractor Hydraulic Fluid (THF), transmission and final drives of modern farm equipment, industrial wheel and crawler tractors.

### Application

Suitable to all types of Tractors where manufacturer recommend to use a STOU Product. Suitable for mixed fleets of agriculture tractors and associated equipment, automated manual transmission, gear boxes, mobile hydraulic system, and suitable in mobile or stationary diesel engine.

### Performance Level

API - CG-4/SF, GL4, ZF TE; ACEA. - E3;UTTO - Ford, Case, John & Massy Ferguson; STOU - Ford M2C 159B/C, M2C 134D, John Deere J27 & J20C, New Holland 82009201/2/, New Holland MAT 3525 3526, Massy Ferguson CMS, M1 139/ 1135/1144/1145

### Benefits & Advantages

- Multi application additive package enables use in engines, transmission, final drives and hydraulic system
- Protection against acid, varnish, carbon deposits, formation of gums, and reduces oil thickening. Multi-viscosity characteristic ensure rapid oil circulation on start-up, preventing wear
- Special friction modifier component that allows smooth action of the wet brakes and power take-off clutches, minimizing chatter, stick slip and squawk

### Typical Properties

SAE Grade	Test Method	10W-30	15W-40	20W-40
Viscosity@100°C, cSt	ASTM D 445	11.6	14.8	15.2
Viscosity@40°C, cSt	ASTM D 445	81.2	112.8	135.0
Viscosity Index	ASTM D 2270	135	135	115
Pour Point	ASTM D 97	-27	-24	-24
Flash Point, PMCC, C min	ASTM D 92	225	230	235
Density @15C, Relative	ASTM D 1298	0.884	0.889	0.893



## AXCL Lithcare Grease

A multipurpose grease which includes extreme pressure additives offering excellent oxidation stability, rust protection, wear protection and good resistance to water. It can carry high loads and is recommended for heavily loaded anti-friction and plain bearings on industrial and automotive equipments.

### Typical Properties

NLGI Grade	No. 2	No. 3
Soap type	Lithium	Lithium
Appearance	Light Yellow / Amber Green	Light Yellow / Amber Green
Oil Viscosity @ 40°C	cSt 180 - 220	cSt 180 - 220
Cone penetrated (worked)	272	232
Dropping Point °C	207	208
Corrosion to copper strip (25°C x 24 hr)	Negative	Negative
Worked Stability (100,000 strokes)	287	250
Tinken load	55 lbs.	55 lbs.
Oxidation stability, PSI (98.9C x 100 hr)	7.1	7.5
Difference, 60 and 10,000	+9	+10
Difference, 60 and 100,000	+15	+18
Water by distillation, %	0.05	0.05
Soap content, %	9	12

# High Performance Lubricants



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