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PRODUCT DATA SHEET (PDS)

SCHAEFFLER

TruPower



COMMERCIAL VEHICLE ENGINE OIL (DEO)

BS-VI COMPATIBLE HEAVY-DUTY ULTRA PREMIUM DIESEL ENGINE OIL



Retail Pack



1L / 5L

Bulk Pack



7L / 7.5L / 10L / 15L / 20L
50L / 210L

Schaeffler TruPower 15W-40 CK4 is mixed fleet ultra premium engine oil designed for naturally aspirated and turbocharged heavy-duty diesel engines. This heavy-duty engine oil is specifically engineered for engines operating under severe service in a wide range of climatic conditions and ambient temperatures. Formulated to provide excellent oil consumption control, protection against low-temperature and high-temperature deposits and provides the highest level of wear protection to modern diesel engine while maintaining durability. It delivers maximum control on engine wear, outstanding engine cleanliness. High TBN & viscosity retention for outstanding lubricant life and maximum engine performance in tough condition. It can also be use in place of CJ4.

Meet Specifications :

- SAE 15W-40 API CK4.
- BS-IV & BS-VI norms.
- Cummins 20086, CES 20081, 20077, 20076.
- Volvo VDS-4.5, VDS-4, VDS-3, VDS-2, VDS. Renault Truck RLD-4. Caterpillar ECF-3, ECF-2, ECF-1-a and MB 228.31.

Features :

- Meets the requirements of Exhaust Gas Recirculation (EGR) systems.
- Superior high temperature oxidation stability.
- Excellent soot handling capability and superb oxidation stability.
- Excellent soot and viscosity control.
- Low temperature fluidity and pumpability.
- Component compatibility.

Benefits :

- Unmatched wear control and protection to engine components.
- Extended drain interval (upto 1,20,000 km).
- Superior performance over a wide range of fuel sulfur content.
- Provide better fuel economy and reduce CHG emission.
- Trouble free DPf operation and enhance life of DPf system.

Recommended Use :

- Recommended for the latest heavy-duty BS-IV & above diesel engines, EGR/SCR and DPf systems.
- All Smart-Hybrids, Micro-Hybrids and Intelli-Hybrid cars and SUV's, MPV & pickups with Diesel Engines.

BS-VI COMPATIBLE HEAVY-DUTY ULTRA PREMIUM DIESEL ENGINE OIL

Typical Properties :

Property	Method	Unit	15W-40 CK4
Appearance	Visual		Clear & Bright
Colour	ASTM D1500		L4.0
Relative Density@29.5°C	ASTM D4052	g/ml	0.871
Kinematic Viscosity@100°C	ASTM D445	mm ² /s	15.3
Kinematic Viscosity@40°C	ASTM D445	mm ² /s	113
CCS Viscosity@-20°C (15W)	ASTM D5293	mPa.s (cP)	5758
Viscosity Index	ASTM D2270	None	142
Pour Point	ASTM D97	°C	-27
Flash Point, PMCC	ASTM D93	°C	216
Sulphated Ash	ASTM D874	% wt	0.9
Total Base Number (TBN)	ASTM D2896	mg, KOH/g	8.8

These characteristics are typical and variations in these may occur*

Product Handling & Storage :

- Lubricating oil for lubrication application, Clear & Transparent liquid free from sediments. Density @29 Degree- 0.83-0.9 g/ml, Non-Toxic, Non-Carcinogenic, minor irritant to eyes.
- Flash point @180 °C, CO₂, Foam, Dry chemical and extinguishers. Sand or earth may be used to smother small fires. Dense black smoke during fire.
- Do not store in unlabeled containers. Store away from strong oxidizing or combustible material. General ventilation required, avoid extreme heat.
- Product disposal should be strictly as per local regulations, empty packaging thoroughly with cleaning.

Health & Safety Measures :

- Wear safety glass: In affected, hold eyelid open & flush with water.
- Use oil resistant gloves: If skin is affected then wash skin with water & Soap.
- If swallowed seek medical emergency.
- Inhalation of mist: Avoid Inhalation, Inhalation lead to dizziness hence take casualty to fresh air.
- Spillage: Avoid Spillage, Product sinks in the sewage water on account of its high specific gravity please avoid it to reaches ground water.
- Maintain person hygiene, wash hands before eating, drinking water.

About Schaeffler :

Schaeffler, headquartered in Germany, is a global Automotive and Industrial supplier and is known for leading technology & innovations. Schaeffler manufactures high-precision OE quality components and systems for engine, transmission and chassis applications under LuK, INA & FAG brands.

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Schaeffler India Limited,
1401-03, Kesar Solitaire, Sec 19, Palm Beach Road, Sanpada, Navi Mumbai- 400705, Maharashtra, India.
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No warranties are expressed or implied*

BS-VI COMPATIBLE HIGH-POWER ULTRA PREMIUM DIESEL ENGINE OIL



Retail Pack



0.5L / 1L / 3L / 5L

Bulk Pack



6L / 7L / 7.5L / 10L / 15L / 20L
50L / 210L

Schaeffler TruPower 15W-40 CI4+ oil is high-power diesel engine oil that provides excellent lubrication of today's diesel engines in heavy duty commercial vehicles. Designed to provide performance and protection in modern, emissions treatment equipped diesel engines, including those with Exhaust Gas Recirculation (EGR), Diesel Particulate Filters (DPF), and other modern diesel engine technology. It uses exclusive combinations of the latest high-performance additives to ensure outstanding protection, soot control under the full range of pressures and temperatures. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets. It can also be use in place of CI4/CH4/CG4/CF4/CF.

Meet Specifications :

- SAE 15W-40 API CI4+.
- BS-III & BS-IV norms.
- ACEA E7-04, E2-96, Cummins CES 20071, 20072, 20076, 20077, 20078; MB 228.3; Volvo VDS-3; MAN M3275; Caterpillar ECF-1A, ECF-2, DDC 93K214, Global DHD-1, Mack EO-N PP03 and MTU type 2..

Features :

- Low sulfur content.
- Stay-in-grade shear stability.
- High thermal and oxidation stability.
- Advanced detergency/dispersancy.
- High viscosity index.
- TBN reserves

Benefits :

- Better engine protection against acids and sludge.
- Better pick-up and load carrying capacity of the vehicle, reduced engine oil consumption.
- Extended engine oil drain intervals without frequent top-up requirements.
- Longer engine life, responsive and efficient engine performance.
- Sustain high pressures & temperature in all driving conditions.

Recommended Use :

- Suitable for engines designed to meet Euro I/II/III or Bharat Stage II/III/IV norms.
- Recommended for use in Cummins, Caterpillar, MAN, Komatsu, Volvo, Hino, Deutz, Tata Motors, Toyota, Ashok Leyland, Mahindra, Force Motors, Eicher Motors and other Turbo-Charged diesel engines.

BS-VI COMPATIBLE HIGH-POWER ULTRA PREMIUM DIESEL ENGINE OIL

Typical Properties :

Property	Method	Unit	15W-40 CI4+
Appearance	Visual		Clear & Bright
Colour	ASTM D1500		L4.0
Relative Density@29.5°C	ASTM D4052	g/ml	0.868
Kinematic Viscosity@100°C	ASTM D445	mm²/s	14.3
Kinematic Viscosity@40°C	ASTM D445	mm²/s	102.1
CCS Viscosity@-20°C (15W)	ASTM D5293	mPa.s (cP)	4933
Viscosity Index	ASTM D2270	None	144
Pour Point	ASTM D97	°C	-30
Flash Point, PMCC	ASTM D93	°C	222
Sulphated Ash	ASTM D874	% wt	1.25
Total Base Number (TBN)	ASTM D2896	mg, KOH/g	10.6

These characteristics are typical and variations in these may occur*

Product Handling & Storage :

- Lubricating oil for lubrication application, Clear & Transparent liquid free from sediments. Density @29 Degree- 0.83-0.9 g/ml, Non-Toxic, Non-Carcinogenic, minor irritant to eyes.
- Flash point @180 °C, CO2, Foam, Dry chemical and extinguishers. Sand or earth may be used to smother small fires. Dense black smoke during fire.
- Do not store in unlabeled containers. Store away from strong oxidizing or combustible material. General ventilation required, avoid extreme heat.
- Product disposal should be strictly as per local regulations, empty packaging thoroughly with cleaning.

Health & Safety Measures :

- Wear safety glass: In affected, hold eyelid open & flush with water.
- Use oil resistant gloves: If skin is affected then wash skin with water & Soap.
- If swallowed seek medical emergency.
- Inhalation of mist: Avoid Inhalation, Inhalation lead to dizziness hence take casualty to fresh air.
- Spillage: Avoid Spillage, Product sinks in the sewage water on account of its high specific gravity please avoid it to reaches ground water.
- Maintain person hygiene, wash hands before eating, drinking water.

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PREMIUM DIESEL ENGINE OIL FOR HIGH SPEED MODERN TURBOCHARGED ENGINES



Schaeffler TruPower 15W-40 CH4 is a high performance, dedicated heavy duty engine lubricant designed for use in high speed turbocharged diesel engines to satisfy the high load driving conditions. Outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high Sulphur fuel. Designed for lubrication of vehicles with Naturally-Aspirated (NA) or Turbo-Charge (TC) engines and can also be use in place of CG4/CF4/CF.

The oil is designed for the most severe performance requirements of modern, highly rated turbo charged diesel engines in the over the road transport fleet applications and off highway operations. Fully backwards compatible, SAE 15W40 diesel engine oil will also deliver the same outstanding performance in older conventional engines.

Meet Specifications :

- SAE 15W-40 API CH4.
- BS-III/BS-IV norms.
- Cummins CES 20071, 20072, 20076; Tata TSS 6571 norms; MB 228.3; MTU TYPE 2, MAN M3275; Mack EO-M/EO-M Plus & Volvo VDS.

Retail Pack



1L / 3L / 5L

Bulk Pack



7L / 7.5L / 10L / 15L / 20L
50L / 210L

Features :

- Thermal and oxidation stability
- Stay-in-grade shear stability
- Very good viscosity stability in operation.
- Excellent detergency/dispersancy level.
- Exceptional soot dispersancy properties.
- Superior anti-oxidation characteristics and high temperature stability.

Benefits :

- One engine oil for mixed fleet operations.
- It reduced low temperature sludge build-up and high temperature deposits.
- Great engine efficiency, long engine life and long oil life.
- Improve corrosion protection and extended drain intervals for both new and old engines.

Recommended Use :

- For heavy duty SUV, MPV, LCV and HCV with diesel engines (All Turbocharged or Naturally Aspirated).
- Suitable for TATA, Ashok Leyland, Mahindra, Hyundai, Ford, GM, Honda and Toyota heavy duty vehicles.

PREMIUM DIESEL ENGINE OIL FOR HIGH SPEED MODERN TURBOCHARGED ENGINES

Typical Properties :

Property	Method	Unit	15W-40 CH4
Appearance	Visual		Clear & Bright
Colour	ASTM D1500		L3.5
Relative Density@29.5°C	ASTM D4052	g/ml	0.863
Kinematic Viscosity@100°C	ASTM D445	mm²/s	15
Kinematic Viscosity@40°C	ASTM D445	mm²/s	115.6
CCS Viscosity@-20°C (15W)	ASTM D5293	mPa.s (cP)	5035
Viscosity Index	ASTM D2270	None	135
Pour Point	ASTM D97	°C	-30
Flash Point, PMCC	ASTM D93	°C	226
Sulphated Ash	ASTM D874	% wt	1.2
Total Base Number (TBN)	ASTM D2896	mg, KOH/g	8.8

These characteristics are typical and variations in these may occur*

Product Handling & Storage :

- Lubricating oil for lubrication application, Clear & Transparent liquid free from sediments. Density @29 Degree- 0.83-0.9 g/ml, Non-Toxic, Non-Carcinogenic, minor irritant to eyes.
- Flash point @180 °C, CO2, Foam, Dry chemical and extinguishers. Sand or earth may be used to smother small fires. Dense black smoke during fire.
- Do not store in unlabeled containers. Store away from strong oxidizing or combustible material. General ventilation required, avoid extreme heat.
- Product disposal should be strictly as per local regulations, empty packaging thoroughly with cleaning.

Health & Safety Measures :

- Wear safety glass: In affected, hold eyelid open & flush with water.
- Use oil resistant gloves: If skin is affected then wash skin with water & Soap.
- If swallowed seek medical emergency.
- Inhalation of mist: Avoid Inhalation, Inhalation lead to dizziness hence take casualty to fresh air.
- Spillage: Avoid Spillage, Product sinks in the sewage water on account of its high specific gravity please avoid it to reaches ground water.
- Maintain person hygiene, wash hands before eating, drinking water.

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PREMIUM MULTIGRADE DIESEL ENGINE OIL FOR HIGH LOAD APPLICATIONS



Schaeffler TruPower 15W-40 CF-4 is a premium quality, high performance and commercial multi-grade diesel engine oil. Designed for the most severe performance requirements of modern, highly rated turbo charged diesel engines in the over the road transport fleet applications and off highway operations. It assures outstanding protection against high temperature engine deposits, oil degradation, oil thickening and corrosion resistance. The oil is having excellent shear stability to maintain viscosity under severe, high temperature operations. It can also be use in place of CF/CE/CD.

Meet Specifications :

- SAE 15W-40 API CF4.
- BS-I/BS-II norms.

Retail Pack



0.5L / 1L / 3L / 5L

Bulk Pack



6L / 7.5L / 8.5L / 10L / 15L / 20L
50L / 210L

Features :

- Better Oxidation and Thermal stability.
- Superb detergent-dispersant characteristics.
- Stay-in-grade shear stability.
- Unmatched TBN retentivity.
- Brilliant anti-corrosion and anti-rust properties

Benefits :

- Controls sludge build-up and deposits.
- Cleaner engines and longer engine life.
- Helps reduce oil consumption and wear.
- Guarantees superior engine cleanliness and protection against corrosion.
- Ensures easy start-ups at low temperatures.
- Meets the requirements concerning the emission of harmful contents of exhaust gases.

Recommended Use :

- BS-I/II Commercial vehicle diesel engines.
- Applicable for mixed fleets of diesel engines (high-speed, four-stroke, turbocharged or naturally aspirated) in HCV's, LCV's, Tractors, Jeeps, Cars & Three Wheelers etc.

PREMIUM MULTIGRADE DIESEL ENGINE OIL FOR HIGH LOAD APPLICATIONS

Typical Properties :

Property	Method	Unit	15W-40 CF4
Appearance	Visual		Clear & Bright
Colour	ASTM D1500		L3.5
Relative Density@29.5°C	ASTM D4052	g/ml	0.871
Kinematic Viscosity@100°C	ASTM D445	mm²/s	14.7
Kinematic Viscosity@40°C	ASTM D445	mm²/s	127.5
CCS Viscosity@-20°C (15W)	ASTM D5293	mPa.s (cP)	5656
Viscosity Index	ASTM D2270	None	117
Pour Point	ASTM D97	°C	-30
Flash Point, PMCC	ASTM D93	°C	225
Sulphated Ash	ASTM D874	% wt	0.99
Total Base Number (TBN)	ASTM D2896	mg, KOH/g	7.0

These characteristics are typical and variations in these may occur*

Product Handling & Storage :

- Lubricating oil for lubrication application, Clear & Transparent liquid free from sediments. Density @29 Degree- 0.83-0.9 g/ml, Non-Toxic, Non-Carcinogenic, minor irritant to eyes.
- Flash point @180 °C, CO2, Foam, Dry chemical and extinguishers. Sand or earth may be used to smother small fires. Dense black smoke during fire.
- Do not store in unlabeled containers. Store away from strong oxidizing or combustible material. General ventilation required, avoid extreme heat.
- Product disposal should be strictly as per local regulations, empty packaging thoroughly with cleaning.

Health & Safety Measures :

- Wear safety glass: In affected, hold eyelid open & flush with water.
- Use oil resistant gloves: If skin is affected then wash skin with water & Soap.
- If swallowed seek medical emergency.
- Inhalation of mist: Avoid Inhalation, Inhalation lead to dizziness hence take casualty to fresh air.
- Spillage: Avoid Spillage, Product sinks in the sewage water on account of its high specific gravity please avoid it to reaches ground water.
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HEAVY DUTY DIESEL ENGINES OF OLD GENERATION COMMERCIAL VEHICLES



Schaeffler TruPower 20W-40 CF4 is multi grade heavy duty diesel engine oil formulated with superior quality base oil and high-performance additives to provide excellent protection and performance under all-weather condition. The oil is designed to endure the most severe performance requirements of modern, highly rated naturally aspirated and turbo charged diesel engines in the on-highway and off-highway operations. It can also be use in place of CE and CD.

Meet Specifications :

- SAE 20W-40 API CF4.
- BS-I/BS-II norms.

Retail Pack



0.5L / 1L / 3L / 5L

Bulk Pack



7.5L / 10L / 20L
50L / 210L

Features :

- Superior additive chemistry.
- Improved thermo-oxidative stability controls sludge build-up and deposits.
- Better detergency & dispersancy helps in controlling soot.
- Stay in grade shear stability helps reduce oil consumption and wear.
- Good corrosion inhibition properties.

Benefits :

- Reduces problem of oil thickening
- Maintains optimum engine cleanliness and prolonged engine protection.
- Excellent all-weather performance.
- Easy starting even at lower ambient temperatures.
- Longer oil drain period
- Enhanced protection against corrosion & wear.

Recommended Use :

- Recommended for wide range of on and off-highway applications (Busses, Trucks, LCVs, agricultural & farm equipment) where such type of lubricant is recommended.

HEAVY DUTY DIESEL ENGINES OF OLD GENERATION COMMERCIAL VEHICLES

Typical Properties :

Property	Method	Unit	20W-40 CF4
Appearance	Visual		Clear & Bright
Colour	ASTM D1500		L3.0
Relative Density@29.5°C	ASTM D4052	g/ml	0.876
Kinematic Viscosity@100°C	ASTM D445	mm ² /s	14.4
Kinematic Viscosity@40°C	ASTM D445	mm ² /s	120.3
CCS Viscosity@-15°C (20W)	ASTM D5293	mPa.s (cP)	6011
Viscosity Index	ASTM D2270	None	121
Pour Point	ASTM D97	°C	-24
Flash Point, PMCC	ASTM D93	°C	225
Sulphated Ash	ASTM D874	% wt	0.90
Total Base Number (TBN)	ASTM D2896	mg, KOH/g	7.0

These characteristics are typical and variations in these may occur*

Product Handling & Storage :

- Lubricating oil for lubrication application, Clear & Transparent liquid free from sediments. Density @29 Degree- 0.83-0.9 g/ml, Non-Toxic, Non-Carcinogenic, minor irritant to eyes.
- Flash point @180 °C, CO₂, Foam, Dry chemical and extinguishers. Sand or earth may be used to smother small fires. Dense black smoke during fire.
- Do not store in unlabeled containers. Store away from strong oxidizing or combustible material. General ventilation required, avoid extreme heat.
- Product disposal should be strictly as per local regulations, empty packaging thoroughly with cleaning.

Health & Safety Measures :

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- Use oil resistant gloves: If skin is affected then wash skin with water & Soap.
- If swallowed seek medical emergency.
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TruPower



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