



LUBRICANTS



Life Without Friction
COMMERCIAL VEHICLE LUBRICANTS



INTRODUCTION

The past few decades has seen the UAE emerge as a business, financial and automotive powerhouse in the MEA region. The country has invested heavily in infrastructure and strived hard to build an investor friendly climate. It is to tap this tremendous potential that Burj Eiffel Int. Lubricants Ind. LLC was established in the year 2004.

Since then the company has grown from strength to strength and has established itself as an organization focused on quality, innovation and customer centricity. The company is a leading lubricant blender in the region, whose products are exported to more than 30 countries across Africa, Asia, Middle East, Far East & Europe regions and is an emerging force in the local lubricant market.

We have invested heavily in Research and Development and have state of the art testing laboratories. Our facilities are certified for ISO 9001-2015 quality management systems and approved by major OEM players such as Volvo, MAN, Porsche, VW, Renault, MB, Mack etc. Our products meet the highest standards of API, MIL, European and Japanese manufacturers which clearly indicates our commitment to quality.

We have continued to invest in human resources as we recognize that they are the drivers of innovation and change that this organization represents. Our employees represent the best talent and experience in the industry and they along with our progressive management strive hard each day to deliver better products and services to our customers.

We hope you would find this product catalog useful and together we can strive to reach greater heights and achieve mutually beneficial goals in the Lubricant market and beyond.



OUR PHILOSOPHY

In this highly competitive and volatile market, we strive to offer products and services which are unique and differentiate us from competition. We treat our clients as business partners and believe that in their success lies our growth. We continuously improve and enhance our offerings to stay a step ahead of the competition and deliver impeccable quality and value to our customers.

OUR FACILITIES

We have multiple state of the art facilities for blending and filling of lubricants, with an installed capacity of blending and filling of more than 40,000 MT of lubricants per annum, 16,000 MT of greases and 6,000 MT per annum of Viscosity Improvers. An indicator of our rigorous emphasis on quality is that our facilities are ISO 9001-2015 certified. Moreover, our Quality Assurance Laboratory is under process of pursuing ISO 17025 accreditation.

Our operations have a state of the art and one of the best R&D and testing lab in the region which help us innovate and ensure that our quality standards meet the best in the industry.

Our strategic blending and filling facilities are also present in key regions namely Kenya and India.



Eiffel Marvela Xtreme CK-4/SN series

Eiffel Marvela Xtreme CK-4/SN series are advanced performance low-SAPS fully synthetic diesel engine oils formulated with severely refined base stocks and sophisticated technology additives to provide outstanding engine performance in the latest emission designs, including those with after treatment systems with Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC). It may be used in both new and old diesel engines for On & Off highway applications, due to its backward compatibility down to CJ-4 specifications and may also be used in gasoline engines requiring the API SN specification. They are specifically formulated to deliver excellent wear and engine protection, extended drain capability with excellent TBN retention, outstanding high temperature performance and engine cleanliness.



Eiffel Marvela Xtreme	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.865	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	225
Total Base Number	ASTM D 2896	mg KOH/g	9.6	9.6
Sulfated Ash	ASTM D 874	% wt	0.9	0.9
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7-16
- MTU OIL Category 2.1
- MACK EOS-4.5/FORD WSS -M2C171-F1
- Detroit Diesel Power Guard 93K222
- CUMMINS CES 20086
- Renault VI RLD-4
- Duetz DQC III-10 LA/JASO DH-2
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4.5

Eiffel Vista Xtreme 15W-40 CK-4/SN

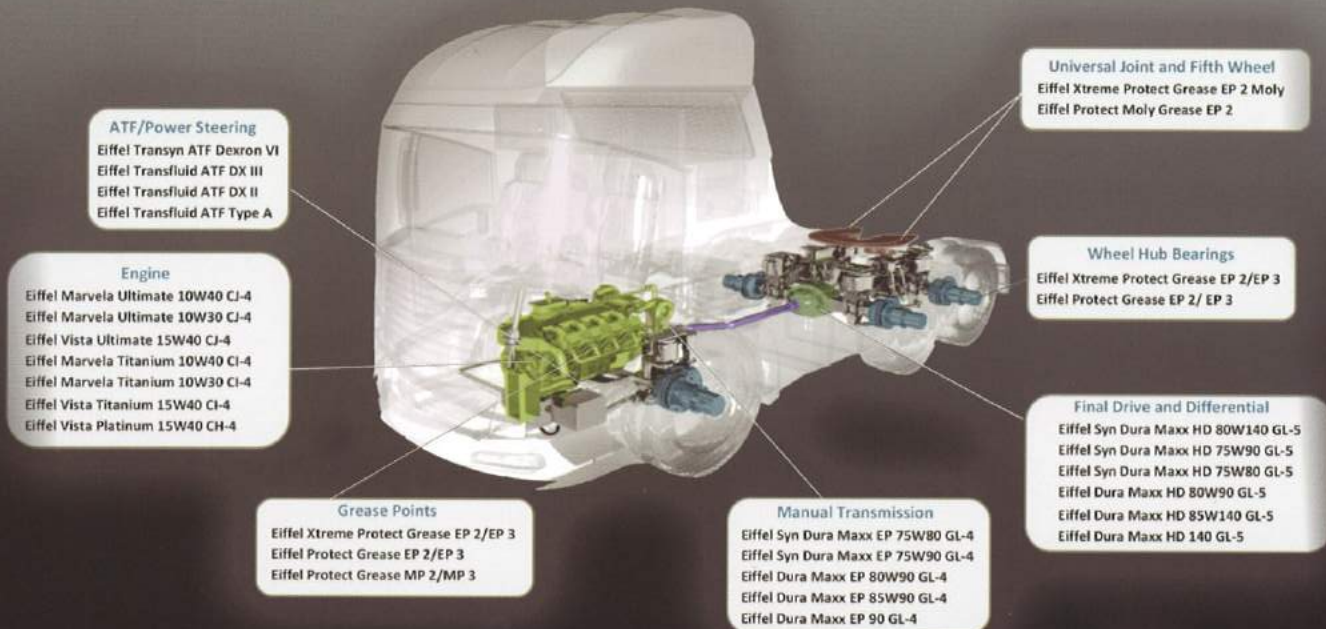
Eiffel Vista Xtreme 15W-40 CK-4/SN is an advanced performance low-SAPS synthetic diesel engine oil formulated with severely refined base stocks and sophisticated technology additives to provide outstanding engine performance in the latest emission designs, including those with after treatment systems with Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC). It may be used in both new and old diesel engines for On & Off highway applications, due to its backward compatibility down to CJ-4 specifications and may also be used in gasoline engines requiring the API SN specification. They are specifically formulated to deliver excellent wear and engine protection, extended drain capability with excellent TBN retention, outstanding high temperature performance and engine cleanliness.



Eiffel Vista Xtreme	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	9.6
Sulfated Ash	ASTM D 874	% wt	0.9
CCS Viscosity	ASTM D 5293	cP	6500 @ -20 °C

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7-16
- MTU OIL Category 2.1
- MACK EOS-4.5/FORD WSS -M2C171-F1
- Detroit Diesel Power Guard 93K222
- CUMMINS CES 20086
- MAN 3275/3575
- Renault VI RLD-4
- Duetz DQC III-10 LA/JASO DH-2
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4.5





EIFEL FABELA TITANIUM CI-4/SL series

Eifel Fabela Titanium CI-4 series uses fully synthetic technology base oil and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It's the ideal choice for operators of heavy duty truck and bus fleets equipped with latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most severe conditions.



Eifel Fabela Titanium	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.848	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	58.65	88.6
Viscosity Index	ASTM D 2270	-	169	168
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	228
Total Base Number	ASTM D 2896	mg KOH/g	11.0	11.0
Sulfated Ash	ASTM D 874	% wt	1.1	1.1
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C	4650 @ -30 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/E5/E3/A3/B4
- CAT ECF-1a, ECF-2
- MTU OIL Category 2
- VOLVO VDS-3
- MAN M 3277
- Global DHD-1
- CUMMINS CES 20076/7/20078 /
- MACK EO-M plus
- Renault VI RLD-2
- MB 228.5

EIFEL MARVELA ULTIMATE CJ-4/SN series

Eifel Marvela Ultimate CJ-4/SN series is extra high performance diesel engine oil formulated with fully synthetic base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.



Eifel Marvela Ultimate	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	236
Total Base Number	ASTM D 2896	mg KOH/g	10.4	10.4
Sulfated Ash	ASTM D 874	% wt	1.0	1.0
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SM, SL
- ACEA E9/E7
- MTU OIL Category 2.1
- MACK EO-D Premium Plus
- Detroit Diesel Power Guard 93K218
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4
- CUMMINS CES 20081

EIFEL MARVELA TITANIUM CI-4/SL series

Eifel Marvela Titanium CI-4/SL series uses fully synthetic technology base oils and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It's the ideal choice for operators of heavy-duty truck and bus fleets equipped with latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most severe conditions.



Eifel Marvela Titanium	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.874
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	15.5
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	106
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	220
Total Base Number	ASTM D 2896	mg KOH/g	12.4	12.4
Sulfated Ash	ASTM D 874	% wt	1.3	1.3
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/E5/E3/A3/B4
- CAT ECF-1a, ECF-2
- MTU OIL Category 2
- VOLVO VDS-3
- Global DHD-1
- CUMMINS CES 20076/7/20078
- MACK EO-M plus
- Renault VI RLD 2

EIFEL MARVELA TITANIUM 10W-40 CI-4/SL HOLDS THE

- FOLLOWING BUILDER APPROVALS:
- MAN M 3277
 - MB-Approval 228.5



- 1 Engine
- 2 Transmission
- 3 Converter
- 4 Hydraulics / Steering
- 5 Final Drive
- 6 Grease points

- SAE 10W40 API CJ-4
- SAE 15W40 API CJ-4
- SAE 10W40 API CI-4
- SAE 15W40 API CI-4
- SAE 15W40 API CH-4
- Eiffel Marvela Ultimate 10W40 CI-4
- Eiffel Vista Ultimate 15W40 CJ-4
- Eiffel Marvela Titanium 10W40 CI-4
- Eiffel Vista Titanium 15W40 CI-4
- Eiffel Vista Platinum 15W40 CH-4

- SAE 50 API TO-4
- SAE 30 API TO-4
- Eiffel Trans HD 50 TO-4
- Eiffel Trans HD 30 TO-4

- SAE 50 API TO-4
- SAE 30 API TO-4
- Eiffel Trans HD 50 TO-4
- Eiffel Trans HD 30 TO-4

- Hydraulic 10W CC/SC
- SAE 10W API TO-4
- SAE 15W40 API CI-4
- SAE 15W40 API CH-4
- Eiffel Hydraulic Oil 10W
- Eiffel Trans HD 10W TO-4
- Eiffel Vista Titanium 15W40 CI-4
- Eiffel Vista Platinum 15W40 CH-4

- SAE 50 API TO-4
- Eiffel Trans HD 50 TO-4

- Grease EP2
- Grease EP2 Moly (for shock loads i.e. Bucket pins, Fifth wheels etc.,)
- Eiffel Xtreme Protect Grease EP2
- Eiffel Xtreme Protect Grease EP2 Moly
- Eiffel Protect Grease EP2
- Eiffel Protect Grease EP2 Moly



Eiffel Marvela Titanium LA 10W-40 CI-4

Eiffel Marvela Titanium LA 10W-40 CI-4 uses severely refined synthetic technology base oils and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It's the ideal choice for operators of heavyduty truck and bus fleets equipped with latest designs, including those with regulatory emission controlled systems like Diesel Particulate Filter (DPF) & suitable for longer oil drain intervals, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most severe conditions.

Eiffel Marvela Titanium LA	Test Method	Units	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.874
Viscosity @ 100 °C	ASTM D 445	cSt	15.7
Viscosity @ 40 °C	ASTM D 445	cSt	111
Viscosity Index	ASTM D 2270	-	150
Pour Point	ASTM D 97	°C	-36
Flash Point (COC)	ASTM D 92	°C	224
Total Base Number	ASTM D 2896	mg KOH/g	9.8
Sulfated Ash	ASTM D 874	% wt	0.9
CCS Viscosity	ASTM D 5293	cP	6200 @ -25 °C

- API CI-4, CH-4, CG-4, CF-4
- ACEA E7/E6/E4
- MTU OIL Category 3.1
- MAN M 3477
- MB 228.51 (v2012)
- Renault RXD
- Deutz IV-10 LA



EIFFEL MARVELA PLATINUM 10W-40 CH-4/SL

Eiffel Marvela Platinum 10W-40 CH-4/SL diesel engine oil is formulated with high quality base stocks and specially selected additives to ensure optimum performance and protection for diesel engines requiring an API CH-4 specification. Suitable for modern and old diesel engines fitted on trucks, buses, construction or agricultural machinery with or without turbo charger, intercooler or sophisticated injection systems.

Eiffel Marvela Platinum	Test Method	Units	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.864
Viscosity @ 100 °C	ASTM D 445	cSt	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	96
Viscosity Index	ASTM D 2270	-	155
Pour Point	ASTM D 97	°C	-39
Flash Point (COC)	ASTM D 92	°C	236
Total Base Number	ASTM D 2896	mg KOH/g	10.0
CCS Viscosity	ASTM D 5293	cP	6200 @ -25 °C

- API CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- CAT ECF-1a
- MTU OIL Category-2
- MAN M3275
- MACK EO-M Plus
- VOLVO VDS-2
- CUMMINS CES 20076/7
- Deutz DQC -II-05
- Renault RD-2
- MB 228.3



EIFFEL VISTA ULTIMATE 15W-40 CJ-4/SN

Eiffel Vista Ultimate 15W-40 CJ-4/SN is extra high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

Eiffel Vista Ultimate	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	9.2
Sulfated Ash	ASTM D 874	% wt	0.9
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7
- MTU OIL Category 2.1
- MACK EO-O Premium Plus
- Detroit Diesel Power Guard 93K218
- CUMMINS CES 20081
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4



EIFFEL VISTA SUPER TITANIUM 15W-40 CI-4 PLUS

Eiffel Vista Super Titanium 15W-40 CI-4 Plus is high performance diesel engine oil formulated with highly refined semi-synthetic base stocks and advanced technology additives to provide reliable performance in the latest emission designs, including those with EGR systems as per BS III/ BS IV Commercial vehicle diesel engines, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most strenuous conditions.

Eiffel Vista Super Titanium	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	12.0
Sulfated Ash	ASTM D 874	% wt	1.25
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C

- API CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- Detroit Diesel 93K214/93K215
- CUMMINS CES 20076/7/20078
- Deutz DQC-III/III
- Global DHD-1/JASO DH-1
- CAT ECF-1a, ECF-2
- MTU OIL Category 2
- MAN M3275
- VOLVO VDS-3
- Renault VI RLD-2
- MB 228.3/MB 228.1
- MACK EO-N/EO-M+



EIFFEL VISTA TITANIUM CI-4/SL series

Eiffel Vista Titanium CI-4/SL series is a range of high performance diesel engine oils formulated with highly refined semi-synthetic base stocks and advanced technology additives to provide reliable performance in the latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most strenuous conditions.

EIFFEL VISTA TITANIUM 15W-40 CI-4/SL HOLDS THE FOLLOWING BUILDER APPROVALS:

- VOLVO VDS-3
- MACK EO-N
- Renault VI RLD-2

Eiffel Vista Titanium	Test Method	Units	15W-40	15W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.884	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4	18.5
Viscosity @ 40 °C	ASTM D 445	cSt	120	155
Viscosity Index	ASTM D 2270	-	134	134
Pour Point	ASTM D 97	°C	-33	-33
Flash Point (COC)	ASTM D 92	°C	230	230
Total Base Number	ASTM D 2896	mg KOH/g	11.4	11.4
Sulfated Ash	ASTM D 874	% wt	1.2	1.2
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C	6000 @ -20 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- CAT ECF-1a, ECF-2/ VOLVO VDS-3
- MTU OIL Category 2
- MAN M3275/MACK EO-M PLUS
- Detroit Diesel 93K215
- CUMMINS CES 20076/7/20078
- Deutz DQC-III-05/ MACK EO-N
- Global DHD-1/ Renault VI RLD-2
- MB 228.3/MB 229.1



EIFFEL VISTA PLATINUM 15W-40 CH-4/SL

Eiffel Vista Platinum 15W-40 CH-4/SL diesel engine oil is formulated with high quality base stocks and specially selected additives to ensure optimum performance and protection for diesel engines requiring an API CH-4 specification. Suitable for modern and old diesel engines fitted on trucks, buses, construction or agricultural machinery with or without turbo charger, intercooler or sophisticated injection systems.

Eiffel Vista Platinum	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	10.0
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C

- API CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/A3/B4
- CAT ECF-1a
- MTU OIL Category-2
- MAN M3275
- MACK EO-M Plus
- VOLVO VDS-2
- CUMMINS CES 20076/7
- Deutz DQC-III-05
- Renault RD-2
- MB 228.3



EIFFEL VISTA GOLD 15W-40 CG-4

Eiffel Vista Gold 15W-40 CG-4 diesel engine oil is formulated with high quality base stocks and balanced additive system to ensure optimum performance and protection for diesel engines requiring an API CG-4 specification. Suitable for diesel engines fitted on trucks, buses, construction or agricultural machinery for both turbocharged and normally aspirated engines operating under severe service conditions in all seasons.

Eiffel Vista Gold	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-30
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	9.0
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C

- API CG-4, CF-4, CF, SJ, SL
- ACEA E3, A3, B3
- MB 228.3/229.1
- MTU OIL Category-2
- MAN 3275
- VOLVO VDS
- Deutz DQC-III-05
- Renault RD/RGD



EIFFEL VISTA SILVER 15W-40 CF-4

Eiffel Vista Silver 15W-40 CF-4 diesel engine oil is formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4 specification. Suitable for diesel engines for both turbocharged and normally aspirated engines operating under severe service conditions in all seasons.

Eiffel Vista Silver	Test Method	Units	15W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.884
Viscosity @ 100 °C	ASTM D 445	cSt	15.4
Viscosity @ 40 °C	ASTM D 445	cSt	120
Viscosity Index	ASTM D 2270	-	134
Pour Point	ASTM D 97	°C	-30
Flash Point (COC)	ASTM D 92	°C	230
Total Base Number	ASTM D 2896	mg KOH/g	8.0
CCS Viscosity	ASTM D 5293	cP	6000 @ -20 °C

- API CF-4, CF, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- VOLVO VDS
- Deutz DQC-III-05
- MB 228.0/1



EIFFEL SAHARA TITANIUM CI-4/SJ series

Eiffel Sahara Titanium CI-4/SJ series is high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable performance in the latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most strenuous conditions.

Eiffel Sahara Titanium	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	21.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	182
Viscosity Index	ASTM D 2270	-	137	137
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	11.5	11.5
Sulfated Ash	ASTM D 874	% wt	1.2	1.2
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6060 @ -15 °C

- API CI-4, CH-4, CG-4, CF-4, CF, SJ
- ACEA E7/A3/B4
- CAT ECF-1a, ECF-2
- MTU OIL Category 2
- MAN M3275
- VOLVO VDS-3
- Renault VI RLD-2
- Detroit Diesel 93K215
- CUMMINS CES 20076/7/20078
- Deutz DQC -III-05
- Global DHD-1
- MB 228.3/MB 229.1
- MACK EO-N



EIFFEL SAHARA SILVER CF-4 series

Eiffel Sahara Silver CF-4 series are diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4 specification. Suitable for diesel engines for both turbocharged and normally aspirated engines operating under severe service conditions in all seasons.

Eiffel Sahara Silver	Test Method	Units	20W-40	20W-50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.30	21.4
Viscosity @ 40 °C	ASTM D 445	cSt	107	182
Viscosity Index	ASTM D 2270	-	137	137
Pour Point	ASTM D 97	°C	-30	-30
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
CCS Viscosity	ASTM D 5293	cP	6020 @ -15 °C	6020 @ -15 °C

- API CF-4, CF, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- VOLVO VDS
- Deutz DQC -I-05
- MB 228.0/1



EIFFEL ULTRA SILVER CF-4 series

Eiffel Ultra Silver CF-4 series are monograde diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF-4/CF-2 specification. Suitable for heavy duty, high output diesel engines where monograde oils are specified. It provides excellent protection in engines, against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.

Eiffel Ultra Silver	Test Method	Units	30	40	50
Density @ 15 °C	ASTM D 4052	gm/cc	0.892	0.900	0.904
Viscosity @ 100 °C	ASTM D 445	cSt	11.6	15.4	20.2
Viscosity @ 40 °C	ASTM D 445	cSt	102	158	234
Viscosity Index	ASTM D 2270	-	100	99	99
Pour Point	ASTM D 97	°C	-18	-18	-18
Flash Point (COC)	ASTM D 92	°C	230	236	242
Sulfated Ash	ASTM D 874	Wt%	0.85	0.85	0.85
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0

- API CF-4, CF, CF-2, CD-2, CD, SF, SG, SJ
- ACEA E2
- MTU OIL Category-1
- MAN 270/271
- MB 228.0/1
- Volvo VDS
- Caterpillar TO-2
- Deutz DQC -I-05
- Allison C3 (SAE: 30)
- Detroit Diesel 75E-270



EIFFEL ULTRA 9000 CF/SF series

Eiffel Ultra 9000 is a range of diesel engine oils formulated with high quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CF specification. Suitable for heavy duty, high output diesel engines where monograde oils are specified. It provides excellent protection in engines, against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.

Eiffel Ultra 9000	Test Method	Units	10W	30	40	50
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.892	0.900	0.904
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	11.6	15.4	20.2
Viscosity @ 40 °C	ASTM D 445	cSt	32	102	158	234
Viscosity Index	ASTM D 2270	-	114	100	99	99
Pour Point	ASTM D 97	°C	-33	-18	-15	-12
Flash Point (COC)	ASTM D 92	°C	214	230	236	242
Sulfated Ash	ASTM D 874	Wt%	0.95	0.95	0.95	0.95
Total Base Number	ASTM D 2896	mg KOH/g	9.6	9.6	9.6	9.6

- API CF-2, CD-2, CF, CD, SF
- ACEA E2
- Mercedes Benz 228.0
- MAN 270
- MTU Type-1
- Caterpillar TO-2



EIFFEL MATRIX 7000 CD/SF series

Eiffel Matrix 7000 is a range of diesel engine oils formulated with premium quality base stocks and selected additives to ensure optimum performance and protection for diesel engines requiring an API CD/SF specification. Suitable for heavy duty, high output diesel engines including supercharged units to provide excellent protection of engines against high temperature piston deposits, wear, corrosion and foaming under severe operating conditions.

Eiffel Matrix 7000	Test Method	Units	10W	30	40	50
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.892	0.900	0.904
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	11.6	15.4	20.2
Viscosity @ 40 °C	ASTM D 445	cSt	32	102	158	234
Viscosity Index	ASTM D 2270	-	114	100	99	99
Pour Point	ASTM D 97	°C	-33	-18	-15	-12
Flash Point (COC)	ASTM D 92	°C	214	230	236	242
Total Base Number	ASTM D 2896	mg KOH/g	7.5	7.5	7.5	7.5

- API CD, SF

Eiffel Transyn ATF Dexron VI

Eiffel Transyn ATF Dexron VI is a high performance automatic transmission oil, formulated with high quality synthetic base stocks and sophisticated additive system including high shear stable viscosity index improvers, antioxidants, and defoamers providing smooth and controlled friction/wear characteristics, that meets or exceeds the stringent requirements of GM's DEXRON-VI specification and provides protection for 2006 and newer GM vehicles. It also provides improved performance in older GM vehicles, wherever DEXRON is specified. Suitable for all automatic transmissions in passenger cars and commercial vehicles, also used in applications like power steering systems, hydraulics and some manual transmissions where automatic transmission fluid is specified.

- General Motors DEXRON-VI
- JASO 1A-LV
- Ford Mercon LV
- ZF TE-ML 09X and all 3 & 4 speed transmission
- Vickers M2950-S, I-286-S
- BMW JWS 3309 (T-IV)
- Mazda ATF D-II/M-V/N-1
- Peugeot ZF 4HP20
- Jaguar ATF 3403 JLM20238

Eiffel Transyn ATF	Test Method	Units	Dexron VI
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	6.05
Viscosity @ 40 °C	ASTM D 445	cSt	30.5
Viscosity Index	ASTM D 2270	-	150
Pour Point	ASTM D 97	°C	-51
Flash Point (COC)	ASTM D 92	°C	205
Brookfield Viscosity @ -40°C	ASTM D 5293	cP	12,000

- Volvo CE 97340
- CAT TO-2
- Hyundai NWS-9638
- Chrysler ATF+, +2, +3 (MS 7176E), +4 (MS 9602)
- Audi 5 HP L71141 (ZF 5 HP 18FL/19FL/24A)
- Acura ATF-Z1
- Alsin Warner JWS 3309 (T-IV) & JWS 3324 (WS)
- Allison C-3 & C-4
- Porsche T-IV (JWS 3309)
- MB236.1/236.9
- Mitsubishi DiaQueen 5W
- ZF M-1375.4 (6HP)
- Honda ATF DW-1
- MB 236.12 & 236.14
- Toyota T-WS (JWS 3324)
- Hyundai / Kia SP-IV
- Nissan Matic S

Eiffel Transyn CVTF

Eiffel Transyn CVTF is a high performance continuous variable transmission fluid, formulated with high quality fully synthetic base stocks and advanced additive technology to ensure consistent repeatable, smooth, step-less shifts under a broad range of driving conditions, temperatures and transmissions. It meets or exceeds the requirements of specifications for many Japanese, American & European designed vehicles and is also suitable in most OEMs CVTs with chain and push belt. It provides smoother, consistent all weather step-less shifting, and all-around lubrication protection of the transmission components to help extend transmission service life and provide a smooth driving experience. Suitable for refill of most pulley-based continuously variable transmissions in Japanese and Korean designed vehicles (except for CVTs that require gear oils and toroidal CVTs), where it emphasizes on Anti Shudder Durability performance.

- Daihatsu (Amix CVTF-DC / Amix CVTF DFE)
- Dodge / Jeep CVT (NS-2 / CVTF+4/ MOPAR CVT 4)
- Ford (CVT23 / CVT30 / MERCON C/CFT30/WSS-M2C933-A/Motorcraft XT
- GM/Saturn (DEX-CVT/CVTF I-Green2*)
- Honda (HMMF, HCF-2)
- ZF CVT V1

Eiffel Transyn	Test Method	Units	CVTF
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	7.15
Viscosity @ 40 °C	ASTM D 445	cSt	34.7
Viscosity Index	ASTM D 2270	-	175
Pour Point	ASTM D 97	°C	-48
Flash Point (COC)	ASTM D 92	°C	205
Brookfield Viscosity @ -40°C	ASTM D 5293	cP	10,000

- Audi/VW (TL 52180; G 052 180; G 052 516)
- BMW/Mini Cooper 8322 0 136 376/8322 0 429 154 (EZL 799)
- Hyundai Genuine CVTF
- Hyundai / Kia (SP-III, SP CVT I)
- JASO 1A
- Mercedes Benz CVT28 (236.20)
- Mitsubishi (CVTF-J1/CVTF-DiaQueen J1/DiaQueen J-4/Sp-III)
- Mazda CVTF 3320
- Nissan NS-1/NS-2/NS-3
- Punch (EZL 799A)-7 QCFT)
- Subaru (NS 2/ Lineartronic CVTF/iCVTF/K0425Y0710/CV30/e-CVTF)
- Suzuki (TC / NS 2 / CVT Green 1 / CVTF Green / CVTF 3320)
- Shell Green 1V
- Toyota/Lexus TC/FE*

Eiffel Transfluid ATF Dexron III

Eiffel Transfluid DXIII is an extra high performance automatic transmission oil, formulated with high quality hydro-treated base stocks, shear stable viscosity index improvers and advanced additive system to meet or exceed the latest requirements of Ford Mercon and General Motors for Dexron III specification. Suitable for passenger cars and commercial automatic transmissions, for use in applications like power steering systems, hydraulics and some manual transmissions where automatic transmission fluid is specified.

- MB 236.1/5/6/7/9
- MAN 339 Z1 & V1/ 339 Z2 & V2
- ZF TE-ML 03D/4D/09/11A/11B/14A/17C

Eiffel Transfluid	Test Method	Units	DX III
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.856
Viscosity @ 100 °C	ASTM D 445	cSt	7.4
Viscosity @ 40 °C	ASTM D 445	cSt	35.8
Viscosity Index	ASTM D 2270	-	178
Pour Point	ASTM D 97	°C	-51
Flash Point (COC)	ASTM D 92	°C	202

- GM Dexron III, Type A & Ford Mercon
- Allison C-4 & CAT TO-2
- Voith Turbo 55.6335 (G607 list) & Volvo 97340

Eiffel Transfluid ATF Dexron II

Eiffel Transfluid DXII is a high performance automatic transmission oil, formulated with high quality hydro-treated base stocks and advanced additive system including viscosity index improvers, antioxidants, and defoamers providing smooth and controlled friction/wear characteristics, to meet or exceed the requirements of Ford Mercon and General Motors for Dexron II specification. Suitable for passenger cars and commercial automatic transmissions, for use in applications like power steering systems, hydraulics and some manual transmissions where automatic transmission fluid is specified.

Eiffel Transfluid	Test Method	Units	DX II
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.865
Viscosity @ 100 °C	ASTM D 445	cSt	7.2
Viscosity @ 40 °C	ASTM D 445	cSt	37.5
Viscosity Index	ASTM D 2270	-	160
Pour Point	ASTM D 97	°C	-45
Flash Point (COC)	ASTM D 92	°C	202

- GM Dexron II, Type A & Ford
- Allison C-4
- Voith Turbo 55.6335 (G607 list)
- Volvo 97340
- MB 236.1/5/6/7/9
- MAN 339 Z1 & V1
- ZF TE-ML 02F/4D/09/11A/11B/14A/7C
- CAT TO-2

Eiffel Transfluid ATF Type A

Eiffel Transfluid ATF Type A is a high performance automatic transmission oil, formulated with high quality base stocks, shear stable viscosity index improvers and advanced additive system to meet or exceed the requirements of General Motors for Type A specification. Suitable for passenger cars and commercial automatic transmissions, for use in applications like power steering systems, hydraulics and some manual transmissions where automatic transmission fluid is specified.

Eiffel Transfluid ATF	Test Method	Units	Type A
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.876
Viscosity @ 100 °C	ASTM D 445	cSt	7.6
Viscosity @ 40 °C	ASTM D 445	cSt	41.3
Viscosity Index	ASTM D 2270	-	155
Pour Point	ASTM D 97	°C	-45
Flash Point (COC)	ASTM D 92	°C	202

- GM Dexron Type A
- MB 236.2

Eiffel Syn Dura Maxx EP 75W80 GL-4

Eiffel Syn Dura Maxx EP 75W80 GL-4 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy duty manual transmissions of most OEM like MAN, IVECO, DAF and RENAULT. More over, these oils are specially engineered for fuel economy manual transmissions in commercial vehicles.

Eiffel Syn Dura Maxx EP	Test Method	Units	75W80
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 40 °C	ASTM D 445	cSt	56.5
Viscosity @ 100 °C	ASTM D 445	cSt	9.5
Viscosity Index	ASTM D 2270	-	152
Pour Point	ASTM D 97	°C	-42
Flash Point (COC)	ASTM D 92	°C	220
Copper Strip Corrosion	ASTM D 130	-	1A
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0
Phosphorus	ASTM D 4951	%wt	0.026

- API GL-4
- SAE J2360
- MB 235.28
- MAN 341 Type E-3/Z-4
- ZF TE ML 01L, 02L, 16K
- Volvo 97305

Eiffel Syn Dura Maxx HD 80W140 GL-5

Eiffel Syn Dura Maxx HD 80W140 GL-5 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy duty transmissions, axles and final drives. Moreover these oils are specially engineered for heavy duty axles and final drives where extreme pressures and shock loadings are expected.

Eiffel Syn Dura Maxx HD	Test Method	Units	80W140
Density @ 15 °C	ASTM D 4052	gm/cc	0.89
Viscosity @ 40 °C	ASTM D 445	cSt	254
Viscosity @ 100 °C	ASTM D 445	cSt	25.6
Viscosity Index	ASTM D 2270	-	130
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	242
Copper Strip Corrosion	ASTM D 130	-	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	20/0
Phosphorus	ASTM D 4951	%wt	0.055

- API GL-5/MT-1
- SAE J2360
- MIL-PRF-2105E
- Mack GO-J
- Scania STO 1:0
- Meritor 0-76-N
- ZF TE ML 05A, 12M, 16F, 21A

Eiffel Syn Dura Maxx HD 75W90 GL-5

Eiffel Syn Dura Maxx HD 75W90 GL-5 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy duty transmissions, axles and final drives. Moreover these oils are specially engineered for heavy-duty axles and final drives

Eiffel Syn Dura Maxx HD	Test Method	Units	75W90
Density @ 15 °C	ASTM D 4052	gm/cc	0.87
Viscosity @ 40 °C	ASTM D 445	cSt	97.25
Viscosity @ 100 °C	ASTM D 445	cSt	14.5
Viscosity Index	ASTM D 2270	-	155
Pour Point	ASTM D 97	°C	-39
Flash Point (COC)	ASTM D 92	°C	222
Copper Strip Corrosion	ASTM D 130	-	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0
Phosphorus	ASTM D 4951	%wt	0.055

where extreme pressures and shock loadings are expected.

- API GL-5/MT-1
- SAE J2360
- MIL-PRF-2105E
- Mack GO-J
- Scania STO 1:0
- MAN 342 M2
- ZF TE ML 05A, 12L, 12N, 16F, 17B, 19C, 21A
- Volvo 97312
- MB 235.8
- Meritor 0-76-N

Eiffel Dura Maxx HD GL-5 series

Eiffel Dura Maxx HD series of lubricants are high performance heavy duty gear oils, formulated from high quality base oils and an advanced additive

Eiffel Dura Maxx HD	Test Method	Units	90	140	80W90	85W90	85W140
Density @ 15 °C	ASTM D 4052	gm/cc	0.890	0.910	0.888	0.890	0.908
Viscosity @ 40 °C	ASTM D 445	cSt	145	447	146	190	356
Viscosity @ 100 °C	ASTM D 445	cSt	14.3	30.0	14.7	17.4	25.6
Viscosity Index	ASTM D 2270	-	96	95	100	97	95
Pour Point	ASTM D 97	°C	-12	-9	-24	-24	-15
Flash Point (COC)	ASTM D 92	°C	240	260	230	236	248
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	20/0	10/0	10/0	20/0
Phosphorus	ASTM D 4951	%wt	0.055	0.055	0.055	0.055	0.055

system. These lubricants are designed for automotive heavy-duty transmissions, axles and final drives. Moreover these oils are specially engineered for heavy-duty axles and final drives where extreme pressures and shock loadings are expected.

- API GL-5
- MIL-L-2105D (U.S Military Specification)
- MAN 342 M2
- ZF TE ML 05A, 7A, 12E, 16B, C & D, 17B, 19B, 21A

Eiffel Dura Maxx EP GL-4 series

Eiffel Dura Maxx EP series of lubricants are high performance heavy duty gear oils, formulated from high quality base oils and an advanced additive system.

These lubricants are designed for automotive heavy duty transmissions, axles and final drives. Moreover these oils are engineered to work efficiently in trans-

Eiffel Dura Maxx EP	Test Method	Units	90	140	80W90	85W90	85W140
Density @ 15 °C	ASTM D 4052	gm/cc	0.890	0.910	0.888	0.890	0.908
Viscosity @ 40 °C	ASTM D 445	cSt	145	447	146	190	356
Viscosity @ 100 °C	ASTM D 445	cSt	14.3	30.0	14.7	17.4	25.6
Viscosity Index	ASTM D 2270	-	96	95	100	97	95
Pour Point	ASTM D 97	°C	-12	-9	-24	-24	-15
Flash Point (COC)	ASTM D 92	°C	240	260	230	236	248
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	20/0	10/0	10/0	20/0
Phosphorus	ASTM D 4951	%wt	0.026	0.026	0.026	0.026	0.026

missions where protection against wear and scoring is required and high level of oil film protection is desired.

- API GL-4
- MIL-L-2105 (U.S Military Specification)



Eiffel HiPower Hyd HVI series

Eiffel HiPower Hyd HVI range of lubricants are high viscosity index anti-wear hydraulic fluids formulated with high quality HVI base stocks and advanced anti-wear additive technology. They are designed to work efficiently in hydraulic & fluid power transmission systems, subjected to wide

Eiffel HiPower Hyd HVI	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	3.99	5.12	6.46	8.41	11.27	13.21	16.85
Viscosity Index	ASTM D 2270	-	161	160	156	156	156	128	120
Pour Point	ASTM D 97	°C	-39	-39	-36	-36	-36	-33	-33
Flash Point (COC)	ASTM D 92	°C	202	204	224	230	234	246	252
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A	1A	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I, II, III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	15	20	20	25	30
TAN, mg KOH/g	ASTM D 2896	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6

temperature ranges operating under severe conditions. These oils are available in ISO viscosity grades from 15 to 150.

- DIN 51524 Part 3 HVLP type
- Denison HF-0, HF-2 (T6H20C)
- Cincinnati Machine P68, P69, P70
- ISO 6743/4 HV
- VICKERS M-2950S, -I-286
- VICKERS 35VQ25, 104C

Eiffel HiPower Hyd HVI ZF series

Eiffel HiPower Hyd HVI ZF range of lubricants are high viscosity index Zinc Free Ashless anti-wear hydraulic fluids formulated with high quality HVI base stocks and advanced very low ash anti-wear additive technology. They are designed to work efficiently in hydraulic & fluid power transmission systems, subjected to wide temperature ranges operating under severe conditions. These oils are available in ISO viscosity grades from 15 to 150. Moreover, they are also designed to work in systems where high hydrolytic stability is required, even in presence of high moisture content in hydraulic systems.

Eiffel HiPower Hyd HVI ZF	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.84	0.86	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	3.99	5.12	6.46	8.41	11.27	13.21	16.85
Viscosity Index	ASTM D 2270	-	161	160	156	156	156	128	120
Pour Point	ASTM D 97	°C	-39	-39	-36	-36	-36	-33	-33
Flash Point (COC)	ASTM D 92	°C	202	204	224	230	234	246	252
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A	1A	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I, II, III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	15	20	20	25	30
TAN, mg KOH/g	ASTM D 2896	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6

- DIN 51524 Part 3 HVLP type
- Denison HF-0, HF-2 (T6H20C)
- Cincinnati Machine P68, P69, P70
- ISO 6743/4 HV
- VICKERS M-2950S, -I-286
- VICKERS 35VQ25, 104C

Eiffel HiPower Hyd ZF series

Eiffel HiPower Hyd ZF range of lubricants are supreme performance Zinc Free Ashless anti-wear hydraulic oils formulated with high quality base stocks and advanced additive technology. They are designed to work efficiently in hydraulic systems operating under severe conditions, where high levels of anti-wear and oil film strength protection are desired. Moreover they are also designed to work in systems where high hydrolytic stability is required, even in presence of high moisture content in hydraulic systems.

Eiffel HiPower Hyd ZF	Test Method	Units	10	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	10	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	10.0	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	2.67	4.4	5.38	6.78	8.72	11.15	14.56
Viscosity Index	ASTM D 2270	-	102	100	98	98	98	95	95
Pour Point	ASTM D 97	°C	-30	-30	-27	-27	-21	-21	-18
Flash Point (COC)	ASTM D 92	°C	202	204	224	230	234	246	272
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A	1A	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I, II, III	ASTM D 892	ml/ml	10/0	10/0	10/0	10/0	10/0	10/0	10/0

- Cincinnati Milacron P68, P69, P70
- Denison HF-0 (T6H20C)
- ISO 11158 (HM fluids)
- VICKERS M-2950S, -I-286

Eiffel HiPower Hyd AW series

Eiffel HiPower Hyd AW range of lubricants are supreme performance anti wear hydraulic oils formulated with high quality base stocks and balanced additive technology. They are designed to work efficiently in hydraulic systems operating under severe conditions, where high levels of anti-wear and oil film strength protection are desired. Moreover they are also designed to work in systems where non anti-wear hydraulic oils are generally recommended.

Eiffel HiPower Hyd AW	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	3.5	4.4	5.38	6.78	8.72	11.15	14.56
Viscosity Index	ASTM D 2270	-	100	100	98	98	98	95	95
Pour Point	ASTM D 97	°C	-39	-30	-27	-27	-21	-21	-18
Flash Point (COC)	ASTM D 92	°C	202	204	224	230	234	246	272
Copper Strip Corrosion	ASTM D 130	-	1A	1B	1B	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I, II, III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0

- DIN 51524 Part 2 HLP type
- Denison HF-0 (T6H20C)
- ISO 11158 (HM fluids)
- VICKERS M-2950S, -I-286

Eiffel Trans HD series

Eiffel Trans HD series is a range of extra high performance transmission and drive train oils, formulated with high quality base stocks and advanced additive system to meet or exceed the requirements of Caterpillar TO-4 specification. Suitable to provide heavy duty performance benefits in power shift transmissions, gearboxes, final drives and high pressure hydraulic applications. It helps in maximizing the productivity in construction, quarrying and mining equipment operating under severe conditions.

Eiffel Trans HD	Test Method	Units	10W	30	50	60
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.892	0.904	0.910
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	11.6	20.5	25.6
Viscosity @ 40 °C	ASTM D 445	cSt	35	108	254	356
Viscosity Index	ASTM D 2270	-	96	95	95	95
Pour Point	ASTM D 97	°C	-33	-18	-12	-12
Flash Point (COC)	ASTM D 92	°C	214	230	242	242

- API GL-4/ Allison C-4
- Caterpillar TO-4/TO-4M/TO-2
- Komatsu KES 07.868.1
- Suitable Hydraulics and Wet Brakes
- Sperry Vickers/Eaton: M2950S, I-280-S

Eiffel Transfluid STOU / UTTO series

Eiffel Transfluid STOU/UTTO series are extra high performance multipurpose tractor lubricants formulated from highly refined base stocks and advanced technology additive system, to meet or exceed transmission and hydraulic fluid requirements. These oils are engineered to deliver the varied lubricant performance properties required in severe duty applications of agricultural and construction equipment drive trains. Moreover it is particularly well suited for reducing wet brake and Power Take-Off (PTO) chatter.

Eiffel Transfluid STOU/UTTO	Test Method	Units	10W30	15W-40	20W-40
			gm/cc	0.870	0.875
Density @ 15 °C	ASTM D 4052		0.870	0.875	0.888
Viscosity @ 40 °C	ASTM D 445	cSt	59	103	107
Viscosity @ 100 °C	ASTM D 445	cSt	9.6	14.30	14.30
Viscosity Index	ASTM D 2270		146	142	136
Pour Point	ASTM D 97	°C	-39	-36	-33
Flash Point (COC)	ASTM D 92	°C	212	225	230
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	6000 @ -20 °C	6020 @ -15 °C
Zinc	ASTM D 4951	%wt	0.12 (Min) - 0.19 (max)	0.12 (Min) - 0.19 (max)	0.12 (Min) - 0.19 (max)

UTTO Specifications:

- API GL-4/ Allison C-4/ Caterpillar TO-2
- Massey Ferguson: M1135,43,45
- John Deere J20C/J20D
- Ford M2C134D/ M2C86B,C
- JI Case/Case Int: M5 1204,6,7,9
- CNH MAT 3525,3526

STOU Specifications:

- ZF TE-ML 06A, 06B, 06C, 07B/ John Deere J2
- Ford M2C159B,C/New Holland 82009201,2,3
- Massey Ferguson: M1139,44,45

Engine Oil Specifications:

- API CG-4,CF-4,CF,CE/SF,CD/SF,CD/SE
- MB 228.1/227.1 & ACEA E3

Hydraulic Oil Specifications:

- Sperry Vickers/Eaton: M2950S/I-280-5

Eiffel Xtreme Protect Grease EP series

Eiffel Xtreme Protect Grease EP series are high performance greases, formulated with lithium complex based thickeners, high viscosity index base oils and extreme pressure additive system to provide excellent protection against wear, rusting and water washout. They are available in NLGI grades ranging from 00 to 3 with base oil viscosity of ISO VG 220. They are suitable for most types of Automotive and Industrial applications, including heavy-duty Marine applications where high temperatures, heavy loads and extreme unit pressures are present. EP 1, 2, 3 & 2 Molygreases are suitable for operating temperatures range from -20°C to 140°C, while EP 00 & 0 greases are suitable for operating temperatures

Eiffel Xtreme Protect Grease	Test Method	Units	EP 2	EP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Lithium Complex	Lithium Complex
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	220	220
Dropping Point	ASTM D 566	°C	230 (min)	230 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	315	315

range from -25°C to 130°C.

- DIN 51502: KP2N-20
- ISO 6743-9: L-XBEBH-2/3

Eiffel Protect Moly Grease EP series

Eiffel Protect Moly Grease EP series are high performance greases, formulated with lithium based thickeners fortified with Molybdenum Disulfide (MoS₂) solid lubrication, high quality base oils and extreme pressure additive system to provide excellent protection against wear, rusting and water washout. They are available in NLGI grades ranging from 00 to 3 with base oil viscosity of ISO VG 460 & 320. They are suitable for most types of Automotive and Industrial applications, including heavy-duty Marine applications where high temperatures, heavy shock loads and extreme unit pressures are present.

Eiffel Protect Moly Grease	Test Method	Units	EP 2	EP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Li-Moly	Li-Moly
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	320	320
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	315	315

Moly Grease EP 1, 2, & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while Moly Grease EP 00 & 0 greases are suitable for operating temperatures range from -25°C to 120°C.

- DIN 51502: KPF2K-25/ KPF3K-20
- ISO 6743-9: L-XCEHB-2/3

Eiffel Protect Grease EP series

Eiffel Protect Grease EP series are high performance greases, formulated with lithium based thickeners and extreme pressure additive system to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 000 to 3 with base oil viscosity of ISO VG 150, 320 & 460. They are suitable for most types of Automotive and Industrial applications, including heavy-duty applications where high unit pressures are present. EP 0, 1, 2 & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while EP 000 & 00 greases are suitable for operating temperatures range from -25°C to 120°C.

Eiffel Protect Grease	Test Method	Units	EP 000	EP 00	EP 0	EP 1	EP 2	EP 3
NLGI Grade	ASTM D 217	--	000	00	0	1	2	3
ISO Grade	6743-9	--	L-XCBEB 000	L-XCBEB 00	L-XBCEB 0	L-XBCEB 1	L-XBCEB 2	L-XBCEB 3
DIN Grade	51502	--	GP000G-30	GP00G-30	NP0K-25	KP1K-30	KP2K-25	KP3K-20
Thickener Type	--	--	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Penetration, Worked @ 25 °C	ASTM D 217	0.1 mm	445-475	400-430	355-385	310-340	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	460	320	160	160	160	160
Dropping Point	ASTM D 566	°C	-	-	190 (min)	190 (min)	190 (min)	190 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.5	0.5	0.4	0.4	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	240	240	250	250	250	250

sure are present. EP 0, 1, 2 & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while EP 000 & 00 greases are suitable for operating temperatures range from -25°C to 120°C.

Eiffel Protect Grease MP series

Eiffel Protect Grease MP series are high performance greases, formulated with lithium based thickeners and an ISO VG 150 mineral base stock to provide added protection against wear, rusting and water washout. They are available in NLGI grades 2 & 3, which are suitable for general purpose automotive applications at moderate temperatures and loads. The suitable operating temperature range is from -20°C to 120°C. It does not contain lead or any other heavy metals which are considered harmful to human health and environment.

Eiffel Protect Grease	Test Method	Units	MP 2	MP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Lithium	Lithium
Color	Visual	--	Cream	Cream
Texture	Visual	--	Smooth	Smooth
Penetration, Worked @ 25 °C, 60 strokes	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	150	150
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)
4-Ball Wear, Scar test	ASTM D 2266	mm	0.6	0.6

- DIN 51502: K2K-25/ K3K-20
- ISO 6743-9: L-XBCEA-2/3



