



Bremen Lubricants Industry LLC



ENGINE OIL

BREMEN FULLY SYNTHETIC MOTOR OIL THE ULTIMATE ALL ROUND PERFORMER SAE 5W/30

PERFORMANCE PROFILE :

The most advanced lubricant in the market, designed with patented Hydrocrack Synthetic technology. Exceeds the stringent requirements of:

API SM/CI-4----- VW 502.00 / 505.00

ACEA E7/A3/B4----- BMW LONGLIFE OIL

MB 229.3----- Porsche 'GL'

APPLICATION :

Particularly suited for the lubrication of most modern, high output, supercharged or turbocharged gasoline and diesel engines operating under even the harshest of driving conditions. Essentially recommended for high speed driving and stop & go service.

SUMMARY OF BENEFITS :

- Perfect lubrication powers in all seasons.
- Reduced maintenance costs through extended engine life.
- Reduced running costs through improved oil and fuel efficiency.
- Superior antifriction and engine cleaning properties.
- Extended oil drain intervals.

STORAGE & HANDLING :

- * Maximum temperature for long-term storage (minimum 5 years) -- 45 oC
- * Recommended to store under shade.
- * Drums should be laid on their sides with the bungs approximately Horizontal so that breathing of water or moisture is greatly reduced.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | | |
|-------------------------|---------------|-------|--------|--------|
| | 5W/30 | 5W/40 | 10W/40 | 15W/50 |
| Sp. Gravity @ 15° C | 0.854 | 0.859 | 0.867 | 0.874 |
| Viscosity @ 40 °C, cSt | 58.00 | 88 | 91 | 141 |
| Viscosity @ 100° C, cSt | 10.00 | 14.1 | 14 | 18.50 |
| Viscosity Index | 160 | 165 | 158 | 146 |
| Flash Point, COC, °C | 224 | 226 | 224 | 226 |
| Pour Point, °C | -45 | -42 | -36 | -33 |
| TBN, mgm KOH / gm | 8.3 | 8.3 | 8.3 | 8.3 |



BREMEN SEMI SYNTHETIC MOTOR OIL ULTIMATE PERFORMANCE OIL SAE 10W/40, 15W/40, 20W/50

PERFORMANCE PROFILE :

A superior quality multigrade oil with new conception, formulated with semi synthetic base stocks and state of art additive technology. Exceeds the latest performance requirements of:

API SL/CJ-4/CG-4/CF-4/CF

VW 500.00 / 501.00 / 505.00--- Caterpillar ECF-3, ECF-2

Cummins CES 20081----- Mack EO-O Premium Plus

Volvo VDS-4----- Detroit Diesel Power Guard 93K218

ACEA E7/A3/B4----- BMW Special Oil

MB 229.1, 228.1----- Porsche

APPLICATION :

Recommended for the lubrication of most modern, high powered, supercharged or turbocharged gasoline and diesel engines operating under the most severe driving conditions. Specially suitable for repeated short trips, low speed driving for a long distance and high speed driving.

SUMMARY OF BENEFITS :

- Lengthens oil changes period.
- Perfect lubrication powers in all seasons.
- Reduced maintenance costs through extended engine life.
- Reduced running costs through improved oil and fuel efficiency.
- Superior antifriction and engine cleaning properties.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | |
|-------------------------|---------------|--------|--------|
| | 10W/40 | 15W/40 | 20W/50 |
| Sp. Gravity @ 15 °C | 0.867 | 0.886 | 0.893 |
| Viscosity @ 40 °C, cSt | 107 | 110 | 170 |
| Viscosity @ 100 °C, cSt | 14.5 | 15 | 9 |
| Viscosity Index | 139 | 140 | 120 |
| Flash Point, COC, °C | 220 | 228 | 230 |
| Pour Point, C | -30 | -30 | -27 |
| TBN, mgm KOH / gm | 8.3 | 8.3 | 8.3 |



BREMEN TURBO PERFORMANCE MOTOR OIL SAE 15W/40, 15W/50, 20W/50

PERFORMANCE PROFILE :

An excellent quality multigrade oil formulated with highly refined base stocks and an advanced additive package. Surpassing the requirements of:

API SL/CJ-4/CG-4/CF-4/CF

API CF----- VW 502.00 / 505.00

ACEA A3-98, B3-98, B4-98----- BMW Longlifel Oil

Porsche GL----- MB 229.1

APPLICATION :

Recommended for supercharged, turbocharged or atmospheric gasoline and diesel engines operating under arduous duty conditions. Also used for high speed and stop & go driving.

SUMMARY OF BENEFITS :

- Super lubrication powers in all seasons.
- Reinforced thermal stability.
- Excellent antifriction and engine cleaning properties.
- Efficient resistance to oxidation, foaming, low temperature sludge and high temperature deposits.
- Highly effective control over wear, rust and corrosion.
- Exceptional control of oil consumption.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | |
|-------------------------|---------------|--------|-------|
| | 40 | 15W/40 | 50 |
| Sp. Gravity @ 15 °C | 0.889 | 0.886 | 0.901 |
| Viscosity @ 40 °C, cSt | 160 | 110 | 220 |
| Viscosity @ 100 °C, cSt | 15,5 | 14,5 | 19 |
| Viscosity Index | 98 | 135 | 97 |
| Flash Point, COC, °C | 254 | 210 | 268 |
| Pour Point, C | -12 | -30 | -12 |
| TBN, mgm KOH / gm | 6.8 | 6.8 | 6.8 |



BREMEN HIGH PERFORMANCE MOTOR OIL SAE 10W, 30, 40, 50, 20W/40, 20W/50

PERFORMANCE PROFILE :

A premium quality oil formulated with highly refined base stocks and well balanced additive package. Exceeds the requirements of :

API SF/CC----- CCMC G2/D1

Mil-L-46152C----- MB 226.1

Russian Oil Specifications----- M-5z/12G1 & M-6z/14G1

APPLICATION :

Expressly recommended for the lubrication of heavy-duty, supercharged, turbocharged or atmospheric gasoline and diesel engines used in passenger cars and some trucks, operating under severe-service.

SUMMARY OF BENEFITS :

- Better fuel economy.
- Reinforced thermal behavior.
- Super fluidity at low temperature ensures good starting.
- Excellent resistance to oxidation, foaming, low temperature sludge and high temperature deposits.
- Efficient control over wear, rust and corrosion.
- Excellent detergent and dispersant qualities.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | | | | |
|-------------------------|---------------|-------|-------|-------|--------|--------|
| | 10W | 30 | 40 | 50 | 20W/40 | 20W/50 |
| Sp. Gravity @ 15 OC | 0.876 | 0.882 | 0.889 | 0.901 | 0.884 | 0.893 |
| Viscosity @ 40 OC, cSt | 38 | 103 | 160 | 220 | 140 | 170 |
| Viscosity @ 100 OC, cSt | 6 | 11.50 | 15.50 | 19 | 15,5 | 19 |
| Viscosity Index | 101 | 98 | 98 | 97 | 114 | 121 |
| Flash Point, COC, OC | 205 | 236 | 254 | 68 | 242 | 248 |
| Pour Point, OC | -27 | -12 | -12 | -9 | -21 | -27 |
| TBN, mgm KOH / gm | 4,9 | 4,9 | 4,9 | 4,9 | 4,9 | 4,9 |



BREMEN HEAVY DUTY MOTOR OIL SAE 10W, 30, 40, 50, 20W/40, 20W/50

PERFORMANCE PROFILE :

A high quality oil formulated with highly refined base stocks and a balance additive package. Exceeds the requirements of:

API SC/CC
Mil-L- 2104B

APPLICATION :

Recommended for the lubrication of gasoline and diesel engines used in passenger cars and some trucks, operating under moderate to severe service.

SUMMARY OF BENEFITS :

High thermal stability.

- Good resistance to oxidation, foaming and low temperature sludge and high temperature deposits.
- Effective control over wear, rust and corrosion.
- Good detergent and dispersant qualities.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | | | | |
|-------------------------|---------------|-------|-------|-------|--------|--------|
| | 10W | 30 | 40 | 50 | 20W/40 | 20W/50 |
| Sp. Gravity @ 15 OC | 0.876 | 0.882 | 0.889 | 0.901 | 0.884 | 0.893 |
| Viscosity @ 40 OC, cSt | 38 | 103 | 160 | 220 | 140 | 170 |
| Viscosity @ 100 OC, cSt | 6 | 11.50 | 15.50 | 19 | 15.5 | 19 |
| Viscosity Index | 101 | 98 | 98 | 97 | 114 | 121 |
| Flash Point, COC, OC | 205 | 236 | 254 | 268 | 242 | 248 |
| Pour Point, OC | -27 | -12 | -12 | -9 | -21 | -27 |
| TBN, mgm KOH / gm | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |



BREMEN SUPER HIGH PERFORMANCE DUTY DIESEL OIL

PERFORMANCE PROFILE :

A super heavy duty quality long drain multigrade oil, designed with highly refined base stocks and specially selected complete additive system. Surpassing the latest performance requirements of :

API CI-4//SL----- VW 500.01 / 505.00
ACEA E7/A3/B4----- Volvo VDS-3
MAN M 3275----- Allison C-4
MB 28.3----- CAT TO-2
SCANIA LDF running--- MACK EOM PLUS CUMMINS 20072, 20076,20077

APPLICATION :

Specially suited for most modern, high speed, severe duty, turbocharged diesel and gasoline engines used in passenger cars, long haul trucks, off highway equipments, handling machineries and generating sets, operating under critical conditions, using fuel with less than 0.5% weight sulfur. Also used in transmissions where Allison C-4 and CAT TO-2 fluids are recommended and in hydraulic systems, gear boxes and compressors where engine oil is recommended.

SUMMARY OF BENEFITS :

- Perfect lubrication powers in all seasons.
- Reduced maintenance costs through extended engine life.
- Reduced running costs through improved oil and fuel efficiency.
- Exceptional protection against oxidation, foaming, high temperature deposits and bore polishing.
- Extremely high control over soot, wear, rust and corrosion to reduce the need for engine servicing.
- Right level of detergency and dispersancy to keep the engine clean.
- Excellent choice for mixed fleet services.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | |
|-------------------------|---------------|--------|--------|
| | 15W/40 | 15W/50 | 20W/50 |
| Sp. Gravity @ 15 °C | 0.886 | 0.889 | 0.893 |
| Viscosity @ 40 °C, cSt | 110 | 145 | 170 |
| Viscosity @ 100 °C, cSt | 14.5 | 19 | 19 |
| Viscosity Index | 135 | 145 | 120 |
| Flash Point, COC, °C | 210 | 230 | 230 |
| Pour Point, C | -30 | -30 | -27 |
| TBN, mgm KOH / gm | 10.70 | 10.7 | 10.7 |



BREMEN HIGH PERFORMANCE DUTY DIESEL OIL SAE 15W/40, 15W/50, 20W/50

PERFORMANCE PROFILE :

A premium quality long drain multigrade oil, designed with highly refined base stocks and specially selected complete additive system. Surpassing the latest performance requirements of :

API CH-4/SJ----- VW 500.01 / 505.00
ACEA E5/E7, B3-98, A3-98----- Volvo VDS-2
MAN 3275----- Allison C-4
MB 228.3----- CAT TO-2
MACK EOM PLUS----- RV1 RLD 99 CUMMINS 20072, 20076, 20077

APPLICATION :

Specially suited for most modern, high speed, severe duty, turbocharged diesel and gasoline engines used in passenger cars, long haul trucks, off highway equipments, handling machineries and generating sets, operating under critical conditions, using fuel with less than 0.5% weight sulfur. Also used in transmissions where Allison C-4 and CAT TO-2 fluids are recommended and in hydraulic systems, gear boxes and compressors where engine oil is recommended.

SUMMARY OF BENEFITS :

- Reduced running costs through improved oil and fuel efficiency.
- Exceptional protection against oxidation, foaming, high temperature deposits and bore polishing.
- Extremely high control over soot, wear, rust and corrosion to reduce the need for engine servicing.
- Right level of detergency and dispersancy to keep the engine clean.
- Excellent choice for mixed fleet services.
- Perfect lubrication powers in all seasons.
- Reduced maintenance costs through extended engine life.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | |
|-------------------------|---------------|--------|--------|
| | 15W/40 | 15W/50 | 20W/50 |
| Sp. Gravity @ 15 °C | 0.886 | 0.889 | 0.893 |
| Viscosity @ 40 °C, cSt | 110 | 145 | 170 |
| Viscosity @ 100 °C, cSt | 14,5 | 19 | 19 |
| Viscosity Index | 135 | 145 | 120 |
| Flash Point, COC, °C | 210 | 230 | 230 |
| Pour Point, C | -30 | -30 | -27 |
| TBN, mgm KOH / gm | 9.5 | 9.5 | 9.5 |



BREMEN SEVERE DUTY DIESEL OIL SAE 15W/40, 20W/50

PERFORMANCE PROFILE :

An excellent quality oil formulated with highly refined base stocks and advanced additive package. Exceeds the requirements of :

API CG-4/SJ----- VW 505.00
ACEA E2/A3/B4----- Volvo VDS
MAN M3275, 270/1----- Mack EO-L
MB 228.2/3----- CUMMINS NTC 400

APPLICATION :

Recommended for high speed, turbocharged diesel and gasoline engines used in passenger cars, long haul trucks, off highway equipments, handling machineries and generating sets, operating under moderate to severe service. Also used in transmissions where Allison C-4 and CAT TO-2 fluids are recommended and in hydraulic systems, gear boxes and compressors where engine oil is recommended.

SUMMARY OF BENEFITS :

- Perfect lubrication powers in all seasons.
- Reduced maintenance costs through extended engine life.
- Reduced running costs through improved oil and fuel efficiency.
- Exceptional protection against oxidation, foaming, high temperature deposits & bore polishing.
- Effective control over soot, wear, rust and corrosion to reduce the need for engine servicing.
- Right level of detergency and dispersancy to keep the engine clean.
- Excellent choice for mixed fleet services.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | |
|-------------------------|---------------|--------|--------|
| | 15W/40 | 15W/50 | 20W/50 |
| Sp. Gravity @ 15 °C | 0.886 | 0.889 | 0.893 |
| Viscosity @ 40 °C, cSt | 110 | 145 | 170 |
| Viscosity @ 100 °C, cSt | 14,5 | 19 | 19 |
| Viscosity Index | 135 | 145 | 120 |
| Flash Point, COC, °C | 210 | 230 | 230 |
| Pour Point, C | -30 | -30 | -27 |
| TBN, mgm KOH / gm | 8 | 8 | 8 |



BREMEN HPD DIESEL OIL SUPER PERFORMANCE DUTY OIL SAE 15W/40, 20W/50

PERFORMANCE PROFILE :

An excellent quality oil formulated with highly refined base stocks and advanced additive package. Exceeds the requirements of :

API CF-4/SG----- VW 501.00/505.00
ACEA E2/A3/B4----- Volvo VDS
MB 228.0/1----- CCMC D4 /PD2/G4
Mack EO-K/2----- MAN 270/1

APPLICATION :

Recommended for high speed, turbocharged diesel and gasoline engines used in passenger cars, long haul trucks, off highway equipments, handling machineries and generating sets, operating under moderate to severe service. Also used in transmissions where Allison C-4 and CAT TO-2 fluids are recommended and in hydraulic systems, gear boxes and compressors where engine oil is recommended.

SUMMARY OF BENEFITS :

- Super protection against oxidation, foaming, high temperature deposits and bore polishing.
- Highly effective control over soot, wear, rust and corrosion.
- High level of detergency and dispersancy ensures a clean engine.
- Good control of oil consumption.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | |
|-------------------------|---------------|--------|--------|
| | 15W/40 | 15W/50 | 20W/50 |
| Sp. Gravity @ 15 °C | 0.886 | 0.889 | 0.893 |
| Viscosity @ 40 °C, cSt | 110 | 145 | 170 |
| Viscosity @ 100 °C, cSt | 14.5 | 19 | 19 |
| Viscosity Index | 135 | 145 | 120 |
| Flash Point, COC, °C | 210 | 230 | 230 |
| Pour Point, C | -30 | -30 | -27 |
| TBN, mgm KOH / gm | 7 | 7 | 7 |



BREMEN SUPER DUTY DIESEL OIL SAE 40/50

PERFORMANCE PROFILE :

An excellent quality oil formulated with highly refined base stocks and advanced additive package. Exceeds the requirements of :

API CF/ CD----- VW 505.00
CCMC D4/PD-2----- ACEA E1-96
MB 227.0/227.1----- SCANIA long drain
Mil-L-L-2104E, 46152 B/C----- CUMMINS NTC 400 KOMATSU

APPLICATION :

Recommended for high speed, turbocharged diesel and gasoline engines used in passenger cars, long haul trucks, off highway equipments, handling machineries and generating sets, operating under moderate to severe service. Also used in transmissions where Allison C-3 and CAT TO-2 fluids are recommended and in hydraulic systems, gear boxes and compressors where engine oil is recommended.

SUMMARY OF BENEFITS :

- Excellent thermal stability at high temperature.
- Super protection against oxidation, foaming, high temperature deposits and bore polishing.
- Highly effective control over soot, wear, rust and corrosion.
- High level of detergency and dispersancy ensures a clean engine.
- Good control of oil consumption.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE |
|-------------------------|---------------|
| | 40/50 |
| Sp. Gravity @ 15 oC | 0.901 |
| Viscosity @ 40 oC, cSt | 220 |
| Viscosity @ 100 oC, cSt | 19 |
| Viscosity Index | 97 |
| Flash Point, COC, OC | 240 |
| Pour Point, OC | -9 |



BREMEN HEAVY DUTY DIESEL OIL SAE 10W, 30, 40, 50, 20W/40, 15W/40

PERFORMANCE PROFILE :

A premium quality robust performance oil, designed with highly refined base stocks and state of art additive technology. Exceeds the stringent requirements of :

API CD/SF----- CAT TO-2

MIL-L-2104C

APPLICATION :

Expressly recommended for turbocharged or atmospheric diesel and gasoline engines used in passenger cars, vans, trucks, off highway equipments, handling machineries and generating sets, burning fuels with a wide quality range (including high-sulfur fuels) and operating under severe conditions. Also used in transmissions where Allison C-3 and CAT TO 2 fluids are recommended and in hydraulic systems, gear boxes and compressors where engine oil is recommended.

SUMMARY OF BENEFITS :

Longer maintenance intervals.

Excellent choice for mixed fleet services.

Better fuel economy.

Exceptional protection against oxidation, foaming, high temperature deposits and bore polishing.

Highly effective control over soot, wear, rust and corrosion to ensure long life of moving parts.

Outstanding thermal behavior at high temperature.

Properly balanced detergency and dispersancy ensures a clean engine.

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | | | | |
|-------------------------|---------------|-------|-------|-------|--------|--------|
| | 10W | 30 | 40 | 50 | 20W/40 | 15W/40 |
| Sp. Gravity @ 15 °C | 0.876 | 0.882 | 0.889 | 0.901 | 0.884 | 0.886 |
| Viscosity @ 40 °C, cSt | 38 | 103 | 160 | 220 | 140 | 105.25 |
| Viscosity @ 100 °C, cSt | 6 | 11.50 | 15.50 | 19 | 15.5 | 14.5 |
| Viscosity Index | 102 | 99 | 98 | 97 | 114 | 142 |
| Flash Point, COC, °C | 205 | 236 | 245 | 245 | 230 | 210 |
| Pour Point, C | -27 | -15 | -12 | -9 | -21 | -30 |
| TBN, mgm KOH / gm | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |



BREMEN HIGH DUTY DIESEL OIL SAE 10W, 30, 40, 50, 20W/40, 15W/40

PERFORMANCE PROFILE :

A good quality oil formulated with highly refined base stocks and balance additive package. Exceeds the requirements of :

API CC/SC

MIL-L-2104B

APPLICATION :

Suitable for the lubrication of four stroke diesel and gasoline engines used in passenger cars and some trucks, operating under moderate to severe duty service.

SUMMARY OF BENEFITS :

High thermal behavior.

Good resistance to oxidation, foaming and high temperature deposits.

Good control over wear, rust and corrosion.

Good detergent and dispersant qualities

TECHNICAL DATA :

| CHARACTERISTICS | TYPICAL VALUE | | | | | |
|-------------------------|---------------|-------|-------|-------|--------|--------|
| | 10W | 30 | 40 | 50 | 20W/40 | 15W/40 |
| Sp. Gravity @ 15 °C | 0.876 | 0.882 | 0.889 | 0.901 | 0.884 | 0.886 |
| Viscosity @ 40 °C, cSt | 38 | 103 | 160 | 220 | 140 | 105.25 |
| Viscosity @ 100 °C, cSt | 6 | 11.50 | 15.50 | 19 | 15.5 | 14.5 |
| Viscosity Index | 102 | 99 | 98 | 97 | 114 | 142 |
| Flash Point, COC, °C | 205 | 236 | 254 | 258 | 230 | 210 |
| Pour Point, C | -27 | -15 | -12 | -9 | -21 | -30 |
| TBN, mgm KOH / gm | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |

