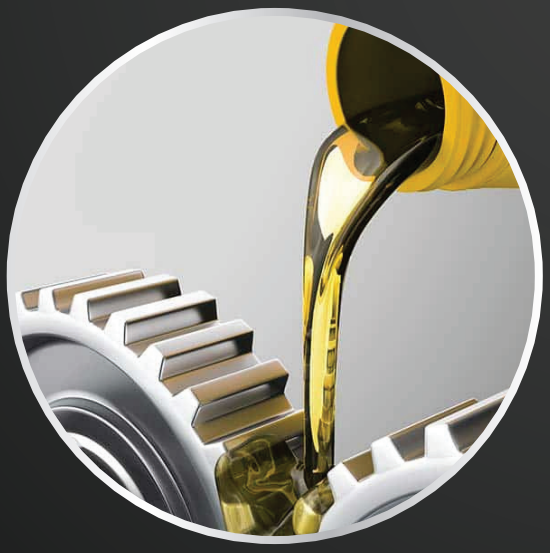
Bremen Lubricants Industry LLC



SPECIALTY **OIL**

Bremen Lubricants Industry LLC

BREMEN POWER TRANSMISSION FLUID SAE 50

PERFORMANCE PROFILE :

A superior quality oil designed with highly refined base stocks and most advanced additive package. Exceeds the requirements of :

API CF---------- Allison C-4

Caterpillar TO-4---------- Komatsu Micro Clutch

ZF TE-ML 01, 03---------- EATON FULLER

API MT-1 (Mack Transmission & CRC L-60-1 tests)

APPLICATION :

Recommended successfully in several types of transmissions such as those requiring above level of performances. Because this oil also qualifies API CF performance, this oil protects against misuse in diesel engines provided that drain interval is shortened. The Caterpillar IM-PO test results also meets APICF-2 limits.

SUMMARY OF BENEFITS :

- Excellent frictioncntrol.
- Superior less brake noise.
- Reduced gear wear.
- Good elastomer compatibility.
- Super oxidation stability for powershift transmissions, final drive and hydraulic systems.
- Combination of outstanding performance prolongs the life of brakes & transmissions.
- High level of detergency and dispersancy ensures the system clean.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
	50
Sp. Gravity @ 15 °C	0.901
Viscosity @ 40 °C, cSt	220
Viscosity @ 100°C, cSt	19
Viscosity Index	97
Flash Point, COC, °C	258
Pour Point, °C	-9
TBN, mgm KOH / gm	11.4
Sulfated Ash, wt%	1.564
Foam seq. I/II/III, ml	0/0/0

BREMEN UNIVERSAL OIL ALL ROUND PERFORMANCE OIL

PERFORMANCE PROFILE :

A top quality multipurpose oil with innovative conception, designed with highly refined base stocks and specially selected complete additive package. Surpassing the requirements of :

API CD/SE---------- Ford M2C-159B

CCMC D2/G1---------- Massey Ferguson M-1139

Mil-L-2105C---------- Denison HF-2

APPLICATION :

Satisfy the lubrication requirements of all types of engines, as well as wet brakes, hydraulic systems, automatic and manual transmissions used in farm and industrial tractors and self propelled farm equipments. Not recommended when manufacturers specify an EP oil of API GL-5 level.

SUMMARY OF BENEFITS :

Very high viscosity index.
Outstanding lubrication power in all working conditions.
Excellent fluidity at low temperature.
Exceptional thermal and oxidation stability at high temperature.
Improved retention of frictional properties to resist chatter and squawk in clutch and brake systems.
Outstanding protection against rust, corrosion and foaming.
Effective antiwear and extreme-pressure properties to protect the gear teeth and bearings.Improved seals compatibility.
Excellent filterability and stability in the presence of water.
Right level of detergency to ensure a clean system.
Excellent choice to reduce the possibility of wrong applications.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
	10W/30
Sp. gravity @ 15 OC	0.881
Viscosity @ 40 OC, cSt	55
Viscosity @ 100 OC, cSt	9.4
Viscosity Index	154
Flash Point, COC, OC	205
Pour Point, OC	-33
TBN, mgm KOH / gm	9.8

Bremen Lubricants Industry LLC

BREMEN ZINC FREE RAILROAD DIESEL ENGINE OIL SAE 40

PERFORMANCE PROFILE :

A high quality, robust performance, Zinc free oil, designed with highly refined base stocks and balance additive package.Exceeds the requirements of :

API CD

GENERAL MOTOR-ELECTRO-MOTIVE DIVISION (GM/EMD) / GENERATION 5

GENERAL MOTOR / GENERATION 4 LL (Long life)

DALIAN Locomotive

APPLICATION :

Recommended for the recent generation of GM/EMD and General Electric Diesel engines equipped with Silver Bearings fitted on railroad locomotives and on Industrial applications (Power generation, offshore well drilling rigs, marine propulsion).

SUMMARY OF BENEFITS :

- Very high thermal behavior and excellent oxidation stability.
- Effective protection against oxidation, foaming, high temperature deposits and bore polishing.
- Exceptional protection against wear, ring sticking, rust and corrosion to ensure long life of moving partsand reduce the need for engine servicing.
- Excellent detergent and dispersant qualities to keep the engine clean.
- Highly effective TBN retention.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
	SAE 40 GRADE
Sp. Gravity @ 15 OC	0.889
Viscosity @ 40 OC, cSt	155
Viscosity @ 100 OC, cSt	15.5
Viscosity Index	98
Flash Point, COC, OC	234
Pour Point, OC	- 12
TBN, mgm KOH / gm	20
Sulfated Ash, % wt	2.39
Zinc, mg/kg	< 10

BREMEN SUPER LSEP LIMITED SLIP PERFORMANCE GEAR OIL SAE 80W/90, 85W/140

PERFORMANCE PROFILE :

A superb quality friction performance oil, designed with highly refined base stocks and additive package based on Sulfur Phosphorus gear chemistry and friction modifier system. Exceeds the requirements of :

API GL-5---------- DB 235.5, 235.6

U.S. Mil-L-2105D---------- ZF TE-ML 01, 02, 05, 07, 08

MAN 341 & 342---------- Volvo 1273.14

APPLICATION :

Specially intended for the lubrication of limited slip differentials, used in heavy duty automotive vehicles and off the road equipments, using spiral bevel and hypoid gears, operating under severe service conditions.

SUMMARY OF BENEFITS :

- Low pour point ensures good fluidity in cold climates.
- Outstanding demulsibility power, thermal and oxidation stability.
- Exceptional protection against wear, foaming, rust and corrosion.
- Excellent compatibility with all seals to control the leakage.
- Improved frictional characteristics ensures proper torque biasing and anti stick-slip performance.
- Outstanding protection against high speed, shock load, low speed, high torque and high speed, low torque conditions.
- Non-corrosive to Steel, Copper or other metals and alloys and keep the
- parts in first-class condition.
- Chatter free operation.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE	
	80W/90	**85W/140**
Sp. Gravity @ 15OC	0.889	0.910
Viscosity @ 40 OC, cSt	158	360
Viscosity @ 100OC, cSt	15.5	26
Viscosity Index	99	96
Flash Point, COC, OC	170	210
Pour Point, OC	-27	-12

Bremen Lubricants Industry LLC

BREMEN SUPER EP SUPER DUTY GEAR OIL SAE 90,140, 80W/90, 85W/140

PERFORMANCE PROFILE :

A supreme quality oil with high degree of extreme pressure protection, designed with highly refined base stocks and additive package based on Sulfur Phosphorus gear chemistry. Exceeds the requirements of :

API GL-5---------- DB 235

U.S. Mil-L-2105D

APPLICATION :

Expressly recommended for drive axles, steering boxes, overdrives, final drives, conventional differentials and manual transmissions used in heavy duty automotive vehicles and off the road equipments, using spiral bevel and hypoid gears, operating under critical conditions of high unit pressure and high relative sliding velocities at elevated temperatures.

SUMMARY OF BENEFITS :

- Perfect load carrying ability in all operating conditions.
- Low pour point ensures good fluidity in cold climates.
- Outstanding demulsibility power, thermal and oxidation stability.
- Exceptional protection against foaming, rust and corrosion.
- Excellent compatibility with all seals to control the leakage.
- Carefully tailored frictional characteristics to promote smooth synchronization and good shift quality.
- Outstanding resistance to gear distress under high speed, shock-load, high speed, low torque and low speed, high torque conditions.
- Non corrosive to Steel, Copper or other metals and alloys and keep the parts in first-class condition.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE			
	80W/90	**85W/140**	**90**	**140**
Sp. Gravity @ 15 OC	0.889	0.910	0.901	0.913
Viscosity @ 40 OC, cSt	158	360	220	460
Viscosity @ 100OC, cSt	15.5	26	19	31
Viscosity Index	99	95	97	95
Flash Point, COC, OC	180	210	220	240
Pour Point, OC	-27	-12	-12	-6

BREMEN SUPER MP HEAVY DUTY GEAR OIL SAE 90,140, 80W/90, 85W/140

PERFORMANCE PROFILE :

A premium quality oil with medium level of extreme pressure protection, formulated with highly refined base stocks and additive package based on Sulfur-Phosphorus gear chemistry. Exceeds the requirements of :

API---------- GL-4

U.S.---------- Mil-L-2105A

PERFORMANCE PROFILE :

Recommended for mechanical transmissions, conventional differentials, final drives, steering boxes and transaxles used in heavy duty automotive vehicles and off the road equipments, using spur, bevel, helical or hypoid gears,operating under moderate service conditions, subject to heavy loads and high relative sliding velocities at high temperature.

SUMMARY OF BENEFITS :

- Excellent demulsibility power, thermal and oxidation stability.
- Highly effective protection against foaming, rust and corrosion.
- Excellent compatibility with all seals to control the leakage.
- Non corrosive to Steel, Copper or other metals and alloys and keep the parts in first class condition.
- Carefully tailored frictional characteristics to promote smooth synchronization and good shift quality.
- Excellent scoring resistance of gear teeth under low speed, high torque and high speed, low torque conditions.
- Outstanding load-carrying capacity with quite operation.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE			
	80W/90	**85W/140**	**90**	**140**
Sp. Gravity @ 15 OC	0.889	0.910	0.901	0.913
Viscosity @ 40 OC, cSt	158	360	220	460
Viscosity @ 100OC, cSt	15.5	26	19	31
Viscosity Index	99	95	97	95
Flash Point, COC, OC	210	230	235	255
Pour Point, OC	-27	-12	-12	-6

Bremen Lubricants Industry LLC

BREMEN SUPER-GL MODERATE DUTY GEAR OIL SAE 90, 140

PERFORMANCE PROFILE :

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

API GL-1

APPLICATION :

Suitable for manual transmissions, spiral bevel and worm axles and all gearing systems used in automotive vehicles and off the road equipments, operating under mild service conditions of low unit pressure and sliding velocities.

SUMMARY OF BENEFITS :

- Natural thermal and oxidation stability.
- Good protection against wear, foaming, rust and corrosion.
- Harmless to all metals and gaskets.
- Good demulsibility power.
- Good protection of bearing and gear teeth.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE	
	90	**140**
Sp. Gravity @ 15OC	0.901	0.913
Viscosity @ 40 OC, cSt	220	460
Viscosity @ 100OC, cSt	19	31
Viscosity Index	97	95
Flash Point, COC, OC	268	292
Pour Point, OC	-12	-6

BREMEN SUPER ATF III THE ALL ROUND PERFORMER

PERFORMANCE PROFILE :

A top quality multipurpose fluid with new concepts of friction modification, designed with highly refined base stocks and specially selected complete additive system. Surpassing the stringent requirements of :

General Motors DEXRON III---------- ZF TE-ML 09/11/14

Ford Mercon---------- Caterpillar TO-2

Allison C-4---------- Mercedes Benz Sheet 236.1

APPLICATION :

Expressly recommended for automatic and semi automatic transmissions used in passenger cars and commercial vehicles, operating under severe, most varied service conditions. Others uses include:

- Power Shift transmission in off-highway construction, agriculture and mining equipments.
- Automotive, industrial, mobile and marine hydraulic systems.

SUMMARY OF BENEFITS :

- Excellent cold weather performance.
- Low viscosity ensures outstanding power transfer and heat transfer efficiency in torque converter system.
- Exceptional resistance to foaming, rust and corrosion.
- Excellent high temperature cleanliness and stability.
- Improved oxidation stability.
- Highly effective control over wear to protect the gear teeth and bearing.
- Absolute neutrality in respect of elastomers and non ferrous metals.
- Improved retention of frictional properties to perform smooth and trouble free clutch and brake operations.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
Color	**Red**
Sp. Gravity @ 15 OC	0.869
Viscosity @ 40 OC, cSt	33.40
Viscosity @ 100OC, cSt	6.70
Viscosity Index	163
Flash Point, COC, OC	180
Pour Point, OC	- 42
Brookfield viscosity (cp) @ -400 C	Max. 20000
Foam seq.I/II/III, ml	0/0/0
Clutch Friction Test	Pass
Cycling Test	Pass

Bremen Lubricants Industry LLC

BREMEN ATF DEXRON II-D THE ALL ROUND PERFORMER

PERFORMANCE PROFILE :

A top quality multipurpose fluid with new concepts of friction modification, designed with highly refined base stocks and specially selected complete additive system. Surpassing the stringent requirements of :

General Motors DEXRON II-D-------- ZF TE-ML 09/11/14

Ford ESP-M2C 138 CJ/166H--------- Caterpillar TO-2

Allison C-4---------- Mercedes Benz Sheet 236.6

Ford Mercon

APPLICATION :

Expressly recommended for automatic and semi automatic transmissions used in passenger cars and commercial vehicles, operating under severe, most varied-service conditions. Others uses include:

- Power Shift transmission in off highway construction, agriculture and mining equipments.
- Automotive, industrial, mobile and marine hydraulic systems.

SUMMARY OF BENEFITS :

- Excellent cold weather performance.
- Low viscosity ensures outstanding power transfer and heat transfer efficiency in torque converter system.
- Exceptional resistance to foaming, rust and corrosion.
- Excellent high temperature cleanliness and stability.
- Improved oxidation stability.
- Highly effective control over wear to protect the gear teeth and bearing.
- Absolute neutrality in respect of elastomers and non ferrous metals.
- improved retention of frictional properties to perform smooth and trouble free clutch and brake operations.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
Color	**Red**
Sp. Gravity @ 15 OC	0.869
Viscosity @ 40 OC, cSt	33.40
Viscosity @ 100OC, cSt	6.70
Viscosity Index	163
Flash Point, COC, OC	168
Pour Point, OC	-42
Brookfield viscosity (cp) @ -40O C	48000
Foam seq. I/II/III, ml	0/0/0
Clutch Friction Test	Pass
Cycling Test	Pass

BREMEN SUPER ATF HIGH PERFORMANCE OIL

PERFORMANCE PROFILE :

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

General Motors Type A

APPLICATION :

Suitable for automatic transmissions used in passenger cars and commercial vehicles, where equipment manufacturer recommends Type A fluid.

SUMMARY OF BENEFITS :

- Good thermal stability and oxidation stability.
- Effective protection against rust, corrosion and foaming.
- High control over wear.
- Low viscosity to ensure power transfer and heat transfer efficiency in torque converter system.
- Good fluidity at low temperature.
- Compatibility with elastomers and non ferrous metals.
- Good retention of frictional properties under the normal operating conditions.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
Color	**Red**
Sp. Gravity @ 15 OC	0.869
Viscosity @ 40 OC, cSt	26.8
Viscosity @ 100OC, cSt	5.9
Viscosity Index	174
Flash Point, COC, OC	172
Pour Point, OC	- 42
Brookfield viscosity (cp) @ -40O C	Max. 16000
Foam seq. I/II/III, ml	0/0/0

Bremen Lubricants Industry LLC

BREMEN SPIRAL R&O ULTIMATE PERFORMANCE TURBINE OIL ISO 32, 46, 68, 100, 150

PERFORMANCE PROFILE :

A BREMEN quality Zinc free oil with high degree of rust & oxidation protection, designed with highly refined base stocks and properly balanced additive system. Exceeds the requirements of :

German standard DIN 51515------ British standard BS 489:1983

U.S. Military Mil-L-17672D---------- Denison HF-1

Brown Boveri HT GD 90 117E------ Alsthom Atlantique NBA P50001

General Electric GEK-46506 B-------- General Electric GEK-28143 A

General Electric GEK-141003 H---------- U.S. Steel 120 & 125

APPLICATION :

Recommended for the lubrication of all parts of heavy duty, high speed steam, water and gas turbines used in electric power generation, pipeline transmission, power take off and marine propulsion, using non ferrous alloys, operating under severe service conditions. Otheruses are:

- Light duty or non antiwear hydraulic system.
- Non EP gear system.
- Compressor and pump where recommended.

SUMMARY OF BENEFITS :

- Longer oil life with smooth operations.
- Outstanding thermal stability at very high temperature.
- Strong demulsibility power , air release capability and filterability.
- Enhanced resistance to foaming and oxidation.
- Long term corrosion, wear and rust protection.
- Improved seals compatibility.
- Low sludging tendency and outstanding load carrying ability.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE				
	32	**46**	**68**	**100**	**150**
Sp. Gravity @ 15 OC	0.874	0.877	0.879	0.882	0.889
Viscosity @ 40 OC, cSt	33	45	67.5	99.5	144
Viscosity @ 100OC, cSt	5.5.5	6.70	8.7	11.3	14.5
Viscosity Index	102	101	100	99	98
Flash Point, COC, OC	210	218	232	236	248
Pour Point, OC	-30	-27	-27	-21	-18
TAN, mgm KOH / gm	0.15	0.15	0.15	0.15	0.15
Demulsibility	40-40-0	40-40-0	40-40-0	40-40-0	40-40-0
Rust Test (Method B)Oxidation	No rust	No rust	No rust	No rust	No rust
(TOST) Hours to T.A.N. 2	Pass	Pass	Pass	Pass	Pass

BREMEN TURBO PERFORMANCE COMPRESSOR OIL ISO 32, 46, 68, 100, 150

PERFORMANCE PROFILE :

A premium quality oil with new concepts of rust & oxidation protection, formulated with highly refined base stocks and well balanced additive package. Exceeds the requirements of :

British standard BS 489:1983---------- Hagglunds Denison HF-1

U.S. Military Mil-L-17672D---------- AFNOR NF E 48-603

Cincinnati Milacron P-38, P-54, P-55 and P-57------ AGMA 250.04 (R&O)

German standard DIN 51506 VDL, DIN 51524 Part 1, DIN 51517 Part I & II

APPLICATION :

Recommended for high speed, single or multistage centrifugal, rotary, screw, vane and reciprocating compressors used in construction projects, mining, stationary, industrial and outdoor applications, operating under arduous duty conditions and upto high air delivery temperature of 220 oC. Other uses are:

- Light duty or non-antiwear hydraulic system.
- Non-EP gear system and Pump where recommended.

SUMMARY OF BENEFITS :

- Extremely high resistance to foaming and oxidation.
- Improved seals compatibility.
- Exceptional thermal stability at high service temperature.
- Strong demulsibility power , air release capability and filterability.
- Low sludging tendency and outstanding load carrying ability.
- Long term corrosion, wear and rust protection.
- Outstanding low volatility and minimum carbon deposit formation tendency to avoid the risk of fires and explosion.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE				
	32	**46**	**68**	**100**	**150**
Sp. Gravity @ 15 oC	0.874	0.877	0.879	0.882	0.889
Viscosity @ 40 oC, cSt	33	45	67.5	99.5	144
Viscosity @ 100OC, cSt	5.5	6.70	8.7	1.3	14.5
Viscosity Index	102	101	100	99	98
Flash Point, COC, OC	210	218	232	236	248
Pour Point,OC	-30	-27	-27	-21	-18
TAN, mgm KOH / gm	0.19	0.19	0.19	0.19	0.19
Demulsibility	40-40-0	40-40-0	40-40-0	40-40-0	40-40-0
Rust Test	Pass	Pass	Pass	Pass	Pass
CRC after oxidation	Pass	Pass	Pass	Pass	Pass

Bremen Lubricants Industry LLC

BREMEN SUPER VT-REFRIGERATION ROBUST PERFORMANCE COMPRESSOR OIL ISO 22, 32, 46, 68

PERFORMANCE PROFILE :

A superb quality oil with zero congealing tendency and high degree of oxidation protection, designed with highly refined napthenic base stocks and well balanced additive package. Exceeds the requirements of :

DIN 51503 KC---------- MM-O-2008 Type II (NATO O-283)

DIN 51303 KA---------- MM-O-2008 Type III (NATO O-290)

SABROE (0170-104-EN-M group)

APPLICATION :

Recommended for high speed, single or multistage rotary and reciprocating refrigeration compressors and other refrigeration systems used in domestic, automotives, hermetically sealed units and industries, using all types of refrigerants except Sulfur Dioxide, operating under severe-duty conditions and below 0oC.

SUMMARY OF BENEFITS :

- Long term protection to resist formation of deposits in crankcases, open to the atmosphere and deteriorating influence of high temperatures at the compressor discharge.
- Low pour point to prevent the oil from congealing on evaporator surfaces thus resulting in efficient heat transfer.
- Extended oil life.
- Low floc point to prevent separation of waxlike materials in evaporator, expansion valve and capillaries.
- High dielectric strength and ability to prevent reaction with windings of electric motors at elevated temperatures.
- Outstanding load carrying ability.
- Exceptional corrosion and wear protection.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE			
	22	**32**	**46**	**68**
Sp. Gravity @ 15 oC	0.886	0.889	0.895	0.898
Viscosity @ 40 oC, cSt	21.6	29.1	42.4	61.3
Viscosity @ 100oC,cSt	3.7	4.4	5.4	6.8
Viscosity Index	16	18	39	43
Flash Point, COC, oC	174	180	192	202
Pour Point, oC	-42	-42	-42	-39
Floc Point, C	-60	-56	-56	-51

BREMEN SUPER HD-4 HEAVY DUTY BRAKE FLUID

PERFORMANCE PROFILE :

An excellent quality, long-life performance synthetic fluid with excellent viscosity temperature properties, designed with water soluble Polyglycol. Surpassing the stringent requirements of :

FMVSS NO. 116 DOT 3---------- SAE J 1703

ISO 4925---------- NATO Symbol H-542

Ford Motor Company ESEA-M6C-1001- A------ GM 4653 M Type 550

APPLICATION :

Exclusively recommended for use in automotive hydraulic disc & drum brakes and servo controlled clutch systems, operating under severe service conditions.

SUMMARY OF BENEFITS :

- Exceptional lubrication power to eliminate friction and wear between the pistons and cylinders in the brake system.
- High boiling point to resist vapor lock even at high operating temperature.
- Outstanding water versatility ensures a long term brake system safety.
- Perfectly compatible with elastomers to prevent trouble with gaskets and seals.
- Long-term rust & corrosion protection.
- Excellent fluidity ensures efficient functioning at extremely low temperature.
- Adequate viscosity at normal and high temperature.
- Enhanced oxidation and thermal stability.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
Sp. Gravity @ 15 OC, kg/l	**1.067**
Viscosity @ - 40 OC, cSt	1500
Viscosity @ 100 OC, cSt	1.8
Equilibrium reflex boiling point, OC	230
Wet boiling point, OC	155
pH value	9

IMPORTANT TO NOTE :

Keep brake fluids as clean and free of moisture as possible. Always use fluid for filling from properly sealed cans and should never be reused. Keep proper level in Master cylinder reservoir to minimize the amount of breathing

Bremen Lubricants Industry LLC

BREMEN SUPER HD-3 HEAVY DUTY BRAKE FLUID

PERFORMANCE PROFILE :

A BREMEN quality, long life performance synthetic fluid with excellent viscosity temperature properties, designed with water soluble Polyglycol. Surpassing the stringent requirements of :

FMVSS NO. 116 DOT 3---------- SAE J 1703

ISO 4925---------- NATO Symbol H-542

Ford Motor Company ESEA-M6C-1001- A------- GM 4653 M Type 550

APPLICATION :

Exclusively recommended for use in automotive hydraulic disc & drum brakes and servo controlled clutch systems, operating under severe service conditions.

SUMMARY OF BENEFITS :

- Excellent fluidity ensures efficient functioning at extremely low temperature.
- Adequate viscosity at normal and high temperature.
- Enhanced oxidation and thermal stability.
- Exceptional lubrication power to eliminate friction and wear between the pistons and cylinders in the brake system.
- Outstanding water versatility ensures a long term brake system safety.
- Perfectly compatible with elastomers to prevent trouble with gaskets and seals.
- Long-term rust & corrosion protection.
- High boiling point to resist vapor lock even at high operating temperature.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
Sp.Gravity @ 15 OC, kg/l	**1.04**
Viscosity @ - 40 OC, cSt	1150
Viscosity @ 100 OC, cSt	1.8
Equilibrium reflex boiling point, OC	240
Wet boiling point, OC	145
pH value	9

IMPORTANT TO NOTE :

Keep brake fluids as clean and free of moisture as possible. Always use fluid for filling from properly sealed cans and should never be reused. Keep proper level in Master cylinder reservoir to minimize the amount of breathing.

BREMEN CVT FLUID

OVERVIEW

Continuous Variable Transmission require a unique transmission fluid with specialized frictional characteristics designed to ensure the belt be remain in contact with pulleys without slipping.
Bremen CVT Fluid is state of the art product designed to accomplish all the objective of CVT.

FEATURES

- Outstanding wear protection
- Great Frictional Properties
- Resistance to Heat
- Greater Wet Clutch Performance
- Proven in Field

APPLICATION

Bremen CVT Fluid is recommended to use in belt and chain type continuous variable transmission of Nissan, Toyota, Ford, Hyundai, Lexus, Infinity and all major brands of modern cars that uses CVT.

TECHNICAL DATA :

Particulars	TEST	Value
Kinematic Viscosity @ 100 C, cst	ASTM D 445	7.1
Kinematic Viscosity @ 40 C, cst	ASTM D 445	32.8
Viscosity Index	ASTM D 2270	187
Flash Point C	ASTM D 92	212
Fire Point C	ASTM D 92	224
Pour Point C	ASTM D 97	-45
Brookfield Viscosity @ -40C, cp	ASTM D 2983	8779
Foam Tendency	ASTM D 892 Sq I II III	0/0 10/0 0/0

Bremen Lubricants Industry LLC

BREMEN 85W90 GL5 High Performance Gear Oil

OVERVIEW

Bremen High Performance 80W90 GL5 is high performance lubricant formulated with quality base oil and specially designed additive system for limited slip-differentials. The product is best suited for heavy duty limited slip differentials, axles and final drive where extreme pressure and shock loading is expected. It meets the requirements of API GL 5 performance.

FEATURES

- Great Thermal Stability.
- Resistance to High Temperature Oxidation.
- Protection from rust, corrosion and staining.
- Great resistance from foaming.
- Effective limited slip performance.
- Reduce Wear and Ease of Start Up.
- Extended Gear & Bearing life.
- Minimum Leakage & reduce contamination.
- Enhance load carrying capacity and effective cost of operation

APPLICATION :

- Passenger cars, light & heavy duty trucks, buses and vans.
- Off Highway Industries including construction.
- Other gears operating under scenarios where high speed /shock load, high speed/low torque, and/or low speed/high torque conditions prevail.

TECHNICAL DATA :

Particulars SAE 85W90	TEST	Value
Kinematic Viscosity @ 100 C, cst	ASTM D 445	14.8
Kinematic Viscosity @ 40 C, cst	ASTM D 445	141
Viscosity Index	ASTM D 2270	105
Flash Point C	ASTM D 92	230
Pour Point C	ASTM D 97	-32
Desnisty 15C kg/l	ASTM D 4052	0.9

Bremen Lubricants Industry LLC

BREMEN COLAIR AM 68

Fully Synthetic Lubricant for refrigeration compressors with Ammonia applications

PRODUCT DESCRIPTION

BREMEN COLAIR AM 68 is a fully synthetic lubricant formulated from synthesized hydrocarbons polyalphaolefin (PAO) and synthetic Alkylbenzene base oils. The product is designed to lubricate refrigeration compressors in heavy duty industrial units that consumes ammonia as a refrigeration fluid. The product is specifically designed for mechanisms where oil is allowed to separate from the refrigerant before the refrigerant passes the evaporator.

APPLICATION :

The refrigeration system that uses ammonia as refrigerant is unique. The lubricants used for Freon refrigeration is not recommended to use in Ammonia refrigeration. It creates various problems like carbon deposit formation in compressors, rapid change in viscosities and high oil carry over from compressors.
Responding to this scenario the BREMEN COLAIR AM 68 is formulated from synthesized hydrocarbons polyalphaolefin (PAO) and synthetic Alkylbenzene base oils. This kind of base oil carry properties like limited spread boiling point range, enhanced degree of saturation, low deviation properties and limited carbon residue.
The base oil then blended with premium additive technology provides state of the art performing lubrication to ammonia refrigerating compressors. It efficiently reduces oil topping up rate, lower carbon deposits in compressor and manage the deviation in viscosity.

SUMMARY OF BENEFITS :

- Excellent low temperature flow attributes.
- Excellent wear protection to components of compressor due to high viscosity index.
- Ensuring problem free operation being non-reactive towards ammonia refrigerant within entire operating temperature range.
- Low carbon residue tendency and excellent thermal stability.

TECHNICAL DATA

Attributes	Method	Unit	68
Appearance	Visual	-	Clear Light Golden
Density @ 150C	ISO 12185/ASTM D4052	kg/m3	0.8696
Kinematic Viscosity @400C	ISO 3104/ASTM D445	mm2/s	68
Kinematic Viscosity @1000C	ISO 3104/ASTM D445	mm2/s	9.5
Viscosity Index	ISO 2909/ASTM D2270	-	114
Flash Point - open cup method	ISO 2592/ASTM D92	0C	215
Foam Sequence l - tendency/stability	ISO 6247/ASTM D892	ml/ml	10/nil
Pour Point	ISO 3016/ASTM D97	0C	-50
Copper corrosion (24 hrs @1000C)	ISO 2160/ASTM D4130	Rating	1

BREMEN ROCK DRILL OIL ISO VG 100

PRODUCT DESCRIPTION

Bremen Rock Drill Oil IS VG 100 is a quality lubricant formulated for percussion type air tools that are formulated from highly refined base oils. The product is blended with a prime additive technology that contains EP, oiliness, tackiness additives, emulsifiers, rust and corrosion inhibitors and antifoaming & anti- fogging agents

APPLICATION :

SUMMARY OF BENEFITS :

- Tampers
- Rammers
- Jack Hammers
- Chipping Hammers
- Rock Drills

SUMMARY OF BENEFITS :

- Protects surface in wet conditions
- Hassle Free Operations
- Maximize working life of equipment.

TECHNICAL DATA :

CHARACTERISTICS	TYPICAL VALUE
Rock Drill ISO VG	**100**
Kinematic Viscosity @ 40°C	**96**
Kinematic Viscosity @ 100°C	**11.5**
Viscosity Index	**107**
Cooper Corrosion, 3hr @ 100°C	**1a**
Pour Point °C	**-50**