



## **10W60 GTT C+**

### **Ceramic C+**

Fully Synthetic  
Truck Racing Motor Oil



VOLTRONIC® 10W60 GTT C+ is high performance fully synthetic truck racing motor oil. Developed with VOLTRONIC® C+ CERAMIC Technology designated for high performance multi-cylinders, multi-valves, large cylinders, big turbo and extreme high compression truck racing diesel engine. Provide extreme pressure lubrication for emergency running even under critical condition or when run with lesser amount of motor oil.

#### **Features**

- Developed with VOLTRONIC® C+ CERAMIC Technology.
- Provide extreme pressure lubrication.
- Provide emergency running even under critical condition.
- Excellent cooling performance and fast heat dissipation.

#### **Specification**

Exceed all applicable motor oil specifications.

#### **Application**

Extremely high compression and high boost truck racing diesel engine.

## **15W60 GTT C+**

### **Ceramic C+**

Fully Synthetic  
Truck Racing Motor Oil



VOLTRONIC® 15W60 GTT C+ is high performance fully synthetic truck racing motor oil. Developed with VOLTRONIC® C+ CERAMIC Technology designated for high performance multi-cylinders, multi-valves, large cylinders, big turbo and extreme high compression truck racing diesel engine. Provide extreme pressure lubrication for emergency running even under critical condition or when run with lesser amount of motor oil.

#### **Features**

- Developed with VOLTRONIC® C+ CERAMIC Technology.
- Provide extreme pressure lubrication.
- Provide emergency running even under critical condition.
- Excellent cooling performance and fast heat dissipation.

#### **Specification**

Exceed all applicable motor oil specifications.

#### **Application**

Extremely high compression and high boost truck racing diesel engine.



## 10W30 AG STOU

### Semi Synthetic

Heavy duty  
Long-life



VOLTRONIC® 10W30 AG-STOU is high performance motor oil for agriculture vehicles and machineries where the motor oil sum is shared for gearbox, wet-clutch, wet-brake and hydraulic system.

#### Features

- Excellent wear protection.
- Excellent cold start.
- Energy conservation (EC).
- Excellent fuel economy.
- Low oil lost.

#### Compatibility

- ACEA E3
- API CI-4/GL-4 (equivalent to SAE 80W)
- DIN 51524-3 HVLP-D Hydraulic system
- MAN 271
- MERCEDES-BENZ MB 228.1
- ALLISON C4
- CASE MS 111/1207/1209/1230
- CNH MAT 3505/3509/3525/3526
- DEUTZ DQC I-02
- FORD M2C48-C3/M2C-86/M2C134-D/M2C159B/C
- JOHN DEERE J20C/J27
- NEW HOLLAND 82009201/82009202/82009203
- NH024C/030C/410B/420A
- MASSEY FERGUSON CMS 1135/1139/1143/1144/1145
- ZF TE-ML 06A/B/C/F, 07B/D

#### Application

Agriculture vehicles and machineries where the motor oil sum shared for gearbox, wet-brake, wet-clutch and hydraulic system.

## 10W40 AG STOU

### Semi Synthetic

Heavy duty  
Long-life



VOLTRONIC® 10W40 AG-STOU is high performance motor oil for agriculture vehicles and machineries where the motor oil sum is shared for gearbox, wet-clutch, wet-brake and hydraulic system.

#### Features

- Excellent wear protection.
- Energy conservation (EC).
- Excellent fuel economy.
- Low oil lost.

#### Compatibility

- ACEA E3
- API CI-4/GL-4 (equivalent to SAE 80W)
- DIN 51524-3 HVLP-D Hydraulic system
- MAN 271
- MERCEDES-BENZ MB 228.1
- ALLISON C4
- CASE MS 111/1207/1209/1230
- CNH MAT 3505/3509/3525/3526
- DEUTZ DQC I-02
- FORD M2C48-C3/M2C-86/M2C134-D/M2C159B/C
- JOHN DEERE J20C/J27
- NEW HOLLAND 82009201/82009202/82009203
- NH024C/030C/410B/420A
- MASSEY FERGUSON CMS 1135/1139/1143/1144/1145
- ZF TE-ML 06A/B/C/F, 07B/D

#### Application

Agriculture vehicles and machineries where the motor oil sum shared for gearbox, wet-brake and wet-clutch.

## 15W40 AG STOU

### Semi Synthetic

Heavy duty  
Long-life



VOLTRONIC® 15W40 AG-STOU is high performance motor oil for agriculture vehicles and machineries where the motor oil sum is shared for gearbox, wet-clutch, wet-brake and hydraulic system.

#### Features

- Excellent wear protection.
- Energy conservation (EC).
- Excellent fuel economy.
- Low oil lost.

#### Compatibility

- ACEA E3
- API CI-4/GL-4 (equivalent to SAE 80W)
- DIN 51524-3 HVLP-D Hydraulic system
- MAN 271
- MERCEDES-BENZ MB 228.1
- ALLISON C4
- CASE MS 111/1207/1209/1230
- CNH MAT 3505/3509/3525/3526
- DEUTZ DQC I-02
- FORD M2C48-C3/M2C-86/M2C134-D/M2C159B/C
- JOHN DEERE J20C/J27
- NEW HOLLAND 82009201/82009202/82009203
- NH024C/030C/410B/420A
- MASSEY FERGUSON CMS 1135/1139/1143/1144/1145
- ZF TE-ML 06A/B/C/F, 07B/D

#### Application

Agriculture vehicles and machineries where the motor oil sum shared for gearbox, wet-brake and wet-clutch.



## 15W40 AG STOU

### Mineral

Heavy duty



VOLTRONIC® 15W40 AG-STOU is high performance mineral based motor oil for agriculture vehicles and machineries where the motor oil sum is shared for gearbox, wet-clutch, wet-brake and hydraulic system.

#### Features

- Excellent wear protection.
- Energy conservation (EC).
- Excellent fuel economy.
- Low oil lost.

#### Compatibility

- ACEA E3
- API CI-4/GL-4 (equivalent to SAE 80W)
- DIN 51524-3 HVLP-D Hydraulic system
- MAN 271
- MERCEDES-BENZ MB 228.1
- ALLISON C4
- CASE MS 111/1207/1209/1230
- CNH MAT 3505/3509/3525/3526
- DEUTZ DQC I-02
- FORD M2C48-C3/M2C-86/M2C134-D/M2C159B/C
- JOHN DEERE J20C/J27
- NEW HOLLAND 82009201/82009202/82009203
- NH024C/030C/410B/420A
- MASSEY FERGUSON CMS 1135/1139/1143/1144/1145
- ZF TE-ML 06A/B/C/F, 07B/D

#### Application

Agriculture vehicles and machineries where the motor oil sum shared for gearbox, wet-brake and wet-clutch.

## 20W50 AG STOU

### Mineral

Heavy duty



VOLTRONIC® 20W50 AG-STOU is high performance mineral based motor oil for agriculture vehicles and machineries where the motor oil sum is shared for gearbox, wet-clutch, wet-brake and hydraulic system.

#### Features

- Excellent wear protection.
- Energy conservation (EC).
- Excellent fuel economy.
- Low oil lost.

#### Compatibility

- ACEA E3
- API CI-4/GL-4 (equivalent to SAE 80W)
- DIN 51524-3 HVLP-D Hydraulic system
- MAN 271
- MERCEDES-BENZ MB 228.1
- ALLISON C4
- CASE MS 111/1207/1209/1230
- CNH MAT 3505/3509/3525/3526
- DEUTZ DQC I-02
- FORD M2C48-C3/M2C-86/M2C134-D/M2C159B/C
- JOHN DEERE J20C/J27
- NEW HOLLAND 82009201/82009202/82009203
- NH024C/030C/410B/420A
- MASSEY FERGUSON CMS 1135/1139/1143/1144/1145
- ZF TE-ML 06A/B/C/F, 07B/D

#### Application

Agriculture vehicles and machineries where the motor oil sum shared for gearbox, wet-brake and wet-clutch.



## 2T - M

### Mineral

2 strokes  
2 Takt  
Super-Light Running



VOLTRONIC® 2T-M is high performance super-light running mineral based motor oil for air-cooled or water-cooled 2 strokes engines. Excellent quality for premix system, promote clean burn to prevent carbon foul on piston, piston ring scrapper, rotor and spark plug. Provide excellent lubrication, excellent anti-wear performance and low smoke.

#### Features

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent for premix system.
- Promote clean burn.
- Prevent carbon foul on piston, piston ring and spark plug.
- Low smoke.

#### Compatibility

- API TC (TSC-3)
- ISO-L-EGB (low smoke)
- JASO FB

#### Application

2 strokes engines motorcycle and scooter.

## 2T - S

### Semi Synthetic

2 strokes  
2 Takt  
Super-Light Running



VOLTRONIC® 2T-S is high performance super-light running semi synthetic motor oil for air-cooled or water-cooled 2 strokes engines. Excellent quality for premix system, promote clean burn to prevent carbon foul on piston, piston ring scrapper, rotor and spark plug. Provide excellent lubrication, excellent anti-wear performance and low smoke.

#### Features

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent for premix system.
- Promote clean burn.
- Prevent carbon foul on piston, piston ring and spark plug.
- Low smoke.

#### Compatibility

- API TC (TSC-3)
- ISO-L-EGD (low smoke)
- JASO FC/FD
- PIAGGIO SI (low smoke)

#### Application

2 strokes engines motorcycle and scooter.

## 2T - RS

### Fully Synthetic

2 strokes  
2 Takt  
Ultra-Light Running



VOLTRONIC® 2T-RS is high performance ultra-light running fully synthetic motor oil for air-cooled or water-cooled 2 strokes engines. Excellent quality for premix system, promote clean burn to prevent carbon foul on piston, piston ring scrapper, rotor and spark plug. Provide excellent lubrication, excellent anti-wear performance and low smoke.

#### Features

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent for premix system.
- Promote clean burn.
- Prevent carbon foul on piston, piston ring and spark plug.
- Low smoke.

#### Compatibility

- API TC (TSC-3)
- ISO-L-EGD (low smoke)
- JASO FC/FD
- PIAGGIO SI (low smoke)
- TISI

#### Application

2 strokes engines motorcycle and scooter.



### **5W40 RS - 4T**

#### **Fully Synthetic**

4 strokes  
4 Takt  
Ultra-Light Running  
Dry Clutch System



VOLTRONIC® 5W40 RS-4T is high performance ultra-light running fully synthetic motor oil for 4 strokes engine with dry clutch system, air-cooled or water-cooled. Features excellent lubrication reliability, excellent anti wear performance and excellent fuel economy.

#### **Features**

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent fuel economy.

#### **Compatibility**

- API SN
- JASO MA2

#### **Application**

Use for dry clutch system 4 strokes motorcycle and scooter engine.

### **5W40 TSZ - 4T**

#### **Fully Synthetic**

4 strokes  
4 Takt  
Ultra-Light Running  
Wet Clutch System



VOLTRONIC® 5W40 TSZ-4T is high performance ultra-light running fully synthetic motor oil for 4 strokes engine with wet clutch system, air-cooled or water-cooled. Features excellent lubrication reliability, excellent anti wear performance and excellent fuel economy.

#### **Features**

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent fuel economy.

#### **Compatibility**

- API SN
- JASO MA2

#### **Application**

Use for wet clutch system 4 strokes motorcycle and scooter engine.

### **10W40 TSZ - 4T**

#### **Semi Synthetic**

4 strokes  
4 Takt  
Super-Light Running  
Wet Clutch System



VOLTRONIC® 10W40 TSZ-4T is high performance ultra-light running semi synthetic motor oil for 4 strokes engine with wet clutch system, air-cooled or water-cooled. Features excellent lubrication reliability, excellent anti wear performance and excellent fuel economy.

#### **Features**

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent fuel economy.

#### **Compatibility**

- API SN
- JASO MA2

#### **Application**

Use for wet clutch system 4 strokes motorcycle and scooter engine.



## **20W50 Z - 4T**

### **Mineral**

4 strokes  
4 Takt  
Super-Light Running  
Wet and Dry Clutch System



VOLTRONIC® 20W50 Z-4T is high performance ultra-light running mineral based motor oil for 4 strokes engine with wet or dry clutch system, air-cooled or water-cooled. Features excellent lubrication reliability, excellent anti wear performance, excellent cooling performance and excellent fuel economy.

#### **Features**

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent fuel economy.

#### **Compatibility**

- API SN
- JASO MA2

#### **Application**

Use for wet or dry clutch system of 4 strokes motorcycle and scooter engines.

## **20W50 Z - 4T**

### **Fully Synthetic**

4 strokes  
4 Takt  
Ultra-Light Running  
Wet and Dry Clutch System



VOLTRONIC® 20W50 Z-4T is high performance ultra-light running Fully Synthetic motor oil for 4 strokes engine with wet and dry clutch system, air-cooled or water-cooled. Features excellent lubrication reliability, excellent anti wear performance, excellent cooling performance and excellent fuel economy.

#### **Features**

- Excellent lubrication reliability.
- Excellent anti-wear performance.
- Excellent fuel economy.

#### **Compatibility**

- API SN
- JASO MA2

#### **Application**

Use for wet and dry clutch system of 4 strokes motorcycle and scooter engines.



## **2T - M Outboard**

### **Mineral**

2 Strokes  
2 Takt



VOLTRONIC® 2T-M Outboard is high performance mineral base motor oil for 2 strokes outboard marine engine. Features excellent lubrication reliability, excellent cooling performance to prevent pre-ignition and excellent corrosion protection.

#### **Features**

- Excellent lubrication reliability.
- Excellent cooling performance, prevent pre-ignition.
- Excellent corrosion protect.

#### **Compatibility**

- API TC/TC-W3
- NMMA TC-W3

#### **Application**

2 strokes marine outboard engine with carburetor or direct fuel injection where required compatibility API TC and NMMA TC-W3.

## **BIO-3 2T Outboard**

### **Fully Synthetic**

2 Strokes  
2 Takt  
Low-ash  
Biodegradable



VOLTRONIC® BIO-3 2T Outboard is high performance fully synthetic motor oil for 2 strokes outboard marine engine. Features extremely low-ash, biodegradable, excellent lubrication reliability, excellent cooling performance to prevent pre-ignition and excellent corrosion protect.

#### **Features**

- Extremely low-ash.
- Biodegradable.
- Excellent lubrication reliability.
- Excellent cooling performance to prevent pre-ignition.
- Excellent corrosion protect.

#### **Compatibility**

- API TC/ TC+ (Plus) / TC-W3

#### **Application**

Special motor oil for 2 strokes outboard marine engine where required biodegradable motor oil and fully compatible with API TC, TC+ and TC-W3.



4 - 5 Speed	4 - 5 - 6 - 7 Speed	4 - 5 - 6 - 7 Speed	7G-Tronic MB 236.14 NAG-2	7G-Tronic MB 236.15
ATF 4K	ATF 9K	ATF 9K2	ATF 9K4	ATF 9K5-LV
ATF for 4 - 5 speed gearbox compatible with GM DEXRON® IID GM DEXRON® III	ATF for 4 - 5 - 6 - 7 speed gearbox Compatible with GM DEXRON® IID GM DEXRON® III GM DEXRON® IIIIG GM DEXRON® IIIH	ATF for 4 - 5 - 6 - 7 speed gearbox 7G-Tronic MB 236.14 NAG-1	Special ATF for 7G-Tronic MB 236.14 (NAG-2 model 722.9) also backward compatible to MB 236.12 with regulated torque converter lockup clutch model 772.6	Special ATF for 7G-Tronic MB 236.15
DEXRON-VI	6 Speed Sport-shift	6 - 8 - 9 Sport-shift	DCG + DSG	C V T
ATF 9K6	ATF 9K6-LV	ATF 9K8-LV	ATF DCG+DSG	ATF CVT-3
Special ATF for MB 236.41 ML-Class Hybrid also compatible with GM DEXRON® VI	Special ATF for 4 - 5 - 6 - 6+ sport-shift gearboxes	Special ATF for multi-speed 6 - 8 - 9 with sport shift for high torque gearboxes for high performance SUV and luxury vehicles	Special ATF for Double Clutch Gearbox and Direct Shift Gearbox	Special ATF for Continues Variable Transmission





## **ATF 4K**

Automatic Transmission Fluid  
4 - 5 Speed



VOLTRONIC® ATF 4K is high performance ATF (Automatic-Transmission-Fluid) for 4 and 5 multi-speed automatic gearboxes with torque converter or without. Special ATF for maximum fuel efficiency, comfort and smooth shifting behavior.

### **Features**

- Special ATF for maximum fuel efficiency.
- Comfort and smooth shifting behavior.

### **Application**

Use for 4 and 5 multi-speed automatic gearboxes where required ATF with performance level to GM DEXRON® II-D/III and wider OEM specifications compatibility.

### **Compatibility**

- AISIN WARNER AW-1
- ALLISON C3-A/C4
- BMW 81 22 9 400 272
- BMW 81 22 9 400 275
- BMW 81 22 9 407 738
- BMW 83 22 9 407 765
- BMW 83 22 9 407 807
- BMW 83 22 0 402 413
- BMW 83 22 7 542 290
- CAT TO-2
- CHRYSLER ATF +3/+4
- DAIHATSU ALUMIX
- GM DEXRON® II-D/III
- FIAT TYPO T-IV
- GM 9986195
- HONDA ATF Z-1
- HYUNDAI, KIA, MITSUBISHI SP-II/ SP-III
- ISUZU BESCO ATF-II/III
- JATCO 3100 PL085/ FWD (N402)/JF506E (K17)
- JWS 3309/ TYPE T-IV
- FORD M2C-33F/G, M2C-138 CJ, M2C-166H,
- SQM 9010A
- MAN 339 Type Z1/V1/Type D/F
- MAZDA ATF D-III / M-3
- MERCEDES-BENZ MB 236.1/ 236.5/236.6/236.7
- NISSAN MATIC-C/D/J
- OPEL 19 40 700/19 40 707
- SAAB 3309
- SUBARU ATF
- SUZUKI ATF 3309/3317
- TOYOTA Type-II/III/IV/D2/WS/ JWS 3309
- RENK-DOROMAT
- VOITH 55.6335.XX (G607)
- VW G 052 990
- VW G 055 025
- ZF TE-ML 09, 11A, 14, 14A



## ATF 9K

Automatic Transmission Fluid  
4 - 5 - 6 - 7 speed



VOLTRONIC® ATF 9K is high performance ATF (Automatic-Transmission-Fluid) for 4, 5, 6 and 7 multi-speed automatic gearboxes with torque converter or without. Special ATF for maximum fuel efficiency, comfort and smooth shifting behavior.

### Features

- Long-life.
- Special ATF for maximum fuel efficiency.
- Comfort and smooth shifting behavior.

### Application

Use for 4, 5, 6 and 7 multi-speed automatic gearboxes.

### Compatibility

- AISIN WARNER JWS 3309/3314/AW 1
- ALLISON C4/TES 295/TES 389
- BMW LA-2634/LT-71141/ETL 7045 E
- BMW 81 22 9 400 272
- BMW 81 22 9 400 275
- BMW 83 22 0 403 248
- BMW 83 22 9 407 738
- BMW 83 22 9 407 807
- BMW 83 22 9 407 858
- BMW 83 22 9 407 859
- CHRYSLER ATF +3/+4
- GM DEXRON® II-D/III/III-G/III-H
- FORD M2C195-A/M2C202-B/M2C922-A1/WSS-M2C924-A
- GM 9986195
- HONDA ATF Z-1
- HYUNDAI, KIA, MITSUBISHI SP-II/SP-III/6 speed
- MAN 339 Type V1/V2/Z2/Z3
- MERCEDES-BENZ MB 236.1/236.5/236.6/236.7/236.9/236.10/236.10 (NAG-1)/236.11
- FORD MERCON V
- NISSAN MATIC-D/J/K
- OPEL 19 40 707/19 40 767
- SAAB 3309
- SUBARU ATF 5 speed
- TOYOTA Type-4/JWS 3309/6 speed
- VOITH 55.6335.xx (G607)/H55.6336.xx (G1363)
- VOLVO 97341/VOLVO 5-speed 116 154
- VW TL 052 162/G 052 990/G 055 025 /G 052 162
- ZF TE-ML 02F, 04D, 09, 11B, 14B/C, 16L, 17C
- ZF LifeGuard-5 S671 090 170 / 171 / 172

## ATF 9K2

Automatic Transmission Fluid  
4 - 5 - 6 - 7 speed



VOLTRONIC® ATF 9K2 is high performance ATF (Automatic-Transmission-Fluid) for multi-speed 4, 5, 6 and 7 speed automatic gearboxes with torque converter or without. Special ATF for maximum fuel efficiency, comfort and smooth shifting behavior.

### Features

- Long-life.
- Special ATF for maximum fuel efficiency.
- Comfort and smooth shifting behavior.

### Application

Use for 4, 5, 6 and 7 speed automatic gearboxes.

### Compatibility

- AISIN WARNER JWS 3309/3314/AW 1
- ALLISON C4/TES 295/TES 389
- BMW LA-2634/LT-71141/ETL 7045 E
- BMW 81 33 9 400 272
- BMW 81 22 9 407 738
- BMW 83 22 0 397 114
- BMW 83 22 0 403 248
- BMW 83 22 0 403 249
- BMW 83 22 0 432 807
- BMW 83 22 9 407 858
- BMW 83 22 9 407 859
- CHRYSLER ATF +3/+4
- GM DEXRON® II-D/III/III-G/III-H
- FORD M2C195-A/M2C202-B/M2C922-A1/WSS-M2C924-A
- GM 9986195
- HONDA ATF Z-1
- HYUNDAI, KIA, MITSUBISHI SP-II/SP-III
- MAN 339 Type V1/V2/Z2/Z3
- MERCEDES-BENZ MB 236.1/236.5/236.6/236.7/236.9/236.10/236.10 (NAG-1)/236.11/236.12 (NAG-2)
- FORD MERCON V
- NISSAN MATIC-D/J/K
- OPEL 19 40 707/19 40 767
- SAAB 3309
- SUBARU ATF 5 speed
- TOYOTA Type-4/JWS 3309/6 speed
- VOITH 55.6335.xx (G607)/H55.6336.xx (G1363)
- VOLVO 97341/VOLVO 5-speed 116 154
- VW TL 052 162/G 052 990/G 055 025 /G 052 162
- ZF TE-ML 02F, 04D, 09, 11B, 14B/C, 16L, 17C
- ZF LifeGuard-5 S671 090 170 / 171 / 172



## ATF 9K4

Automatic Transmission Fluid  
7 speed  
7G-Tronic  
MB 236.14 (NAG-2)



VOLTRONIC® ATF 9K4 is high performance ATF (Automatic-Transmission-Fluid) specially adapted to the comfort and friction behaviour of 7 speed Mercedes-Benz 7G-Tronic automatic transmission.

### Features

- Design adapted to the Mercedes-Benz comfort.
- Smooth shifting behavior.

### Application

VOLTRONIC® 9K4 is highly recommended for 7G-Tronic 7 speed Mercedes-Benz automatic gearbox where required a fluid accordance to MB 236.14. VOLTRONIC® ATF 9K4 are also backward compatible to the former MB 236.12 and replaces it in almost every application, especially in 5 speed automatic gearbox with regulated torque converter norm 722.6.

### Compatibility

- Mercedes-Benz fluid MB 236.14 (NAG-2/model 722.9)
- Chrysler Crossfire with MB gearbox
- Ssangyong with MB gearbox

## ATF 9K5-LV

Automatic Transmission Fluid  
7 speed  
7G-Tronic  
MB 236.15



VOLTRONIC® ATF 9K5-LV is high performance ATF (Automatic-Transmission-Fluid) specially adapted to the requirements of 7 speed Mercedes-Benz automatic gearbox. VOLTRONIC® ATF 9K5-LV is special low viscosity ATF where blend with PAO and syntheses oil for maximum fuel efficiency.

### Features

- Special ATF for maximum fuel efficiency.
- Comfort and smooth shifting behavior.

### Application

VOLTRONIC® ATF 9K5-LV is highly recommended for 7G-Tronic 7 speed Mercedes-Benz automatic gearbox where required a fluid in accordance to MB 236.15.

### Compatibility

- Mercedes-Benz fluid MB 236.15

## ATF 9K6

Automatic Transmission Fluid  
MB 236.41 (164.195)  
DEXRON-VI



VOLTRONIC® ATF 9K6 is high performance ATF (Automatic-Transmission-Fluid) specially developed for Mercedes-Benz ML-Class Hybrid automatic gearbox where required a fluid in accordance to MB 236.41 (type 164.195/transmission no. 722.550).

### Features

- Special ATF for maximum fuel efficiency.
- Comfort and smooth shifting behavior.

### Application

Use for automatic gearbox in accordance to MB 236.41 fluid and GM DEXRON® VI fluid.

### Compatibility

- BMW/MINI
  - BMW 83 22 0 142 516 Typ. 6HP26
  - BMW 81 22 9 400 272
  - BMW 81 22 9 400 275
  - BMW 81 22 9 407 738
  - BMW 83 22 0 397 114
  - BMW 83 22 0 403 248
  - BMW 83 22 0 403 249
  - BMW 83 22 0 432 807
  - BMW 83 22 9 407 858
  - BMW 83 22 9 407 859
- GM DEXRON® VI
- MERCEDES-BENZ MB 236.41 for ML-Class Hybrid type 164.195, transmission no. 722.550
- TOYOTA 6 speed
- VOITH H55.6335.3X (G 607)



### **ATF 9K6-LV**

Automatic Transmission Fluid  
Sport-shift  
4 - 5 - 6 - 6+



VOLTRONIC® ATF 9K6-LV is high performance ATF (Automatic-Transmission-Fluid) for multi-speed 4, 5, 6 and 6+ automatic gearboxes with sport-shift. Special ATF with low viscosity for maximum fuel efficiency.

#### **Features**

- Special ATF for 4, 5, 6 and 6+ multi-speed automatic gearboxes with sport-shift.
- Special ATF for maximum fuel efficiency.
- Sport, comfort and smooth shifting behavior.

#### **Application**

Use for 4, 5, 6 and 6+ multi-speed automatic gearboxes with sport-shift. Special ATF for 4, 5, 6 and 6+ automatic gearboxes where required low-viscosity fluid for maximum fuel efficiency.

#### **Compatibility**

- AISIN WARNER AW-1
- BMW 8322 0 142 516 (BMW 1375.4 6HP)
- GM DEXRON® VI
- DSI H 6-speed Transmissions (ATF 3292)
- FORD WSS-M2C938-A
- HONDA ATF DW-1
- JASO 1A
- HYUNDAI NWS-9638
- HYUNDAI / KIA SP-IV
- JAGUAR ATF 8432
- LAND ROVER TYK5000050
- MB 236.12 (NAG-2)
- MERCON SP / LV
- NISSAN Matic S
- TOYOTA Type WS (JWS 3324)
- VW/AUDI G 055 005
- ZF M-1375.4 (6HP)
- ZF LifeGuard-6 S671 090 255 / 253 / 210

### **ATF 9K8-LV**

Automatic Transmission Fluid  
Sport-shift  
6 - 8 - 9  
High torque gearbox  
High performance SUV  
and luxury vehicles



VOLTRONIC® ATF 9K8-LV is high performance ATF (Automatic-Transmission-Fluid) for multi-speed 6, 8 and 9 speed high performance high torque SUV and luxury vehicles. Special ATF with low viscosity for modern high torque gearboxes with sport-shift without compromising comfort and for maximum fuel efficiency.

#### **Features**

- Special ATF for 6, 8 and 9 multi-speed automatic gearboxes with sport-shift.
- Special ATF for modern high torque high performance SUV and luxury vehicles.
- Special ATF for maximum fuel efficiency.
- Special ATF spontaneous gear changes without compromising comfort.

#### **Application**

VOLTRONIC® 9K8-LV is highly recommended for the special requirements of modern 6, 8 and 9 speed automatic gearboxes for maximum fuel efficiency. Its specific friction coefficient ensures slip-free transmission even with very high torque, allowing spontaneous and sporty gear changes without compromising comfort e.g. high performance SUV or luxury vehicles with V12 or W12 engines.

#### **Compatibility**

- BMW 83 22 2 152 426 (BMW L12108)
- CHRYSLER 68157995AA
- JAGUAR 02JDE 26444
- LAND ROVER LR023288
- LAND ROVER LR023289
- VW/AUDI G 060 162 A1 / A2 / A6
- ZF LifeGuard-8 S671 090 312 / 311 / 310



## **ATF DCG+ (DSG)**

Automatic Transmission Fluid

Sport-shift  
Double Clutch Gearbox  
Direct Shift Gearbox



VOLTRONIC® ATF DCG+ (DSG) is high performance ATF (Automatic-Transmission-Fluid) for novelty sport-shift DCG (Double Clutch Gearbox/Doppel-Kupplung-Getriebe) and DSG (Direct Shift Gearbox/Direkt-Shift-Getriebe). Special ATF for sport-shift automatic gearboxes which allowing spontaneous gear changes without compromising comfort as well for maximum fuel efficiency.

### **Features**

- Special ATF for spontaneous sport-shift without compromising comfort.
- Special ATF for maximum fuel efficiency.

### **Application**

Special ATF for DCG and DSG automatic gearboxes with sport-shift.

### **Compatibility**

- VW/AUDI G 052 182 A2 (Direkt-Shift-Getriebe)
- PORSCHE PDK double clutch gearbox (Porsche® Doppel-kupplung Getriebe)
- NISSAN GTR double clutch gearbox

## **ATF CVT-3**

Automatic Transmission Fluid

CVT gearbox



VOLTRONIC® ATF CVT-3 is high performance ATF (Automatic-Transmission-Fluid) for modern CVT (Continuous Variable Transmission) automatic gearboxes as well fully compatible with older generation chain or belt drive CVT gearboxes. Special ATF for comfort, smooth shifting and maximum fuel efficiency.

### **Features**

- Long-life.
- Special ATF for maximum fuel efficiency.
- Special ATF for comfort and smooth shifting.

### **Application**

Use for CVT automatic gearboxes where required long-life fluid, maximum fuel efficiency, comfort and smooth shifting.

### **Compatibility**

- VW/AUDI G 052 180 A2 (TL 52 180) Multitronic CVT
- BMW/MINI EZL 799 A (83 22 0 136 376/83 22 0 429)
- DAIHATSU TC
- FORD WSS-M2C928-A
- FORD CVT-23/30
- FORD MERCON C
- GM/SATURN DEX-CVT
- HONDA HMMF
- HYUNDAI CVTF
- MERCEDES-BENZ MB 236.2 (001 989 46 03)
- MITSUBISHI CVTF-J1
- NISSAN NS-II
- TOYOTA TC
- SUBARU NS-II/LINEARTRONIC CVTF
- SUZUKI TC/NS-II/CVT GREEN 1

**VOLTRONIC® Centralize Hydraulic and Power Steering Fluid**



VOLTRONIC® Centralize hydraulic fluid is high performance and high technology engineering fluid specially developed for novelty centralize hydraulic system eg. power steering, power-assisted steering, centralize suspension level control system, hydro-pneumatic suspension, hydraulic power-shift (hydraulic gear-shift), hydraulic automatic transmission gear control, hydraulic locking differential system (eg. traction control), centralize soft-top convertible hydraulic system, centralize brake system, hydraulic clutch system and etc.

Typical fluid characteristics

- Thermal stable.
- Super stable hydrolytic power.
- Excellent anti-foam behavior.
- Excellent anti-aging.
- Excellent corrosion protection.
- Super low friction.

VOLTRONIC® Part no.	Application area
<ul style="list-style-type: none"> <li>▪ ZH-M Spec-I</li> </ul>	Conventional power steering
<ul style="list-style-type: none"> <li>▪ ZH-M Spec-IIA</li> <li>▪ ZH-M Spec-IIB</li> <li>▪ ZH-M Spec-IIC</li> <li>▪ ZH-M Spec-III</li> <li>▪ ZH-LHM+ (Plus)</li> </ul>	Power steering (newer generation) Power-assisted steering Suspension level control system Hydro-pneumatic suspension Hydraulic power-shift AGS hydraulic automatic gear control ASD hydraulic locking differential system Soft-top convertible hydraulic system Centralize brake system Hydraulic clutch system



## VOLTRONIC® Centralize Hydraulic and Power Steering Fluid

### ZH-M Spec-I

Power steering fluid



VOLTRONIC® ZH-M Spec-I is high performance power steering fluid for conventional power steering system in passenger and commercial vehicle.

#### Features

- Excellent anti-aging
- Good anti-foam performance
- Good corrosion protect

#### Compatibility

- DEXRON II-D
- MERCEDES-BENZ MB 236.3
- ZF TE-ML 09

#### Application

Conventional power steering system for passenger and commercial vehicle.

### ZH-M Spec-IIA

Centralize hydraulic fluid  
Power steering fluid



VOLTRONIC® ZH-M Spec-IIA is high performance centralize hydraulic fluid and power steering fluid. Developed in accordance to performance level with MERCEDES-BENZ MB 343.0, DIN 51524 Teil 3 and ISO 7308 standard.

#### Features

- Excellent anti-aging
- Excellent anti-foam
- Excellent corrosion protection

#### Compatibility

- MERCEDES-BENZ MB 343.0
- DIN 51524 Teil 3
- ISO 7308

#### Application

- Power steering fluid
- Power-assisted steering fluid
- Suspension level control fluid
- Hydro-Pneumatic suspension fluid
- Centralize brake system fluid
- ASD hydraulic locking differential fluid
- 4-MATIC hydraulic clutch system fluid
- Soft-top convertible hydraulic system fluid

### ZH-M Spec-IIB

Centralize hydraulic fluid  
Power steering fluid



VOLTRONIC® ZH-M Spec-IIB is high performance centralize hydraulic fluid and power steering fluid. Developed in accordance to performance level with VW/AUDI G 004 000 M2, CHRYSLER MS-11655b, PORSCHE 000 043 206 56, SAAB 93160548 and VOLVO 307 414 24.

#### Features

- Excellent anti-aging
- Excellent anti-foam
- Excellent corrosion protection

#### Compatibility

- VW/AUDI G 004 000 M2
- CHRYSLER MS-11655b
- PORSCHE 000 043 206 56
- SAAB 93160548
- VOLVO 307 414 24

#### Application

- Power steering fluid
- Centralize hydraulic fluid

## VOLTRONIC® Centralize Hydraulic and Power Steering Fluid



### ZH-M Spec-IIC

Centralize hydraulic fluid  
Power steering fluid



VOLTRONIC® ZH-M Spec-IIC is high performance centralize hydraulic fluid and power steering fluid. Specially developed in accordance to performance level with MERCEDES-BENZ MB 344.0 fluid for vehicles model 203.2 and 210 where the power steering fluid and suspension level control fluid are share from the same reservoir and distributed by tandem pumps.

#### Features

- Excellent anti-aging
- Excellent anti-foam
- Excellent corrosion protection

#### Compatibility

- MERCEDES-BENZ MB 344.0 fluid

#### Application

Suspension level control and power steering fluid in accordance to performance level of MERCEDES-BENZ MB 344.0 fluid for vehicles model 203.2 and 210.

### ZH-LHM+ (Plus)

Centralize hydraulic fluid  
Power steering fluid



VOLTRONIC® ZH-LHM+ (Plus) is high performance centralize hydraulic fluid specially developed for suspension level control system, hydro-pneumatic suspension, power steering and hydraulic brake system in accordance to performance level with DIN 51524 Part 3, ISO 7308, BMW 81 22 9 407 549, FIAT 9.55597, IVECO 18-1823, MASSEY FERGUSON NH 610 A, PSA B71 2710 and SDFG OF1611S.

#### Features

- Excellent anti-aging
- Excellent anti-foam
- Excellent corrosion protection

#### Compatibility

- DIN 51524 Part 3
- ISO 7308
- BMW 81 22 9 407 549
- FIAT 9.55597
- IVECO 18-1823
- MASSEY FERGUSON NH 610 A
- PSA B71 2710
- SDFG OF1611S

#### Application

Suspension level control system, hydro-pneumatic suspension, power steering and hydraulic brake system. in accordance to performance level with DIN 51524 Part 3, ISO 7308, BMW 81 22 9 407 549, FIAT 9.55597, IVECO 18-1823, MASSEY FERGUSON NH 610 A, PSA B71 2710 and SDFG OF1611S.





## VOLTRONIC® Centralize Hydraulic and Power Steering Fluid

### ZH-M Spec-III

Centralize hydraulic fluid  
Power steering fluid



VOLTRONIC® ZH-M Spec-III is high performance centralize hydraulic fluid and power steering specially developed for suspension level control system, power steering, power-assisted steering, hydro-pneumatic suspension, hydraulic power window, hydraulic clutch, hydraulic power-shift, hydraulic gear-shift, and hydraulic automatic gear control (AGS).

#### Features

- Excellent aging resistance and corrosion protection.

#### Compatibility

- BMW 81 22 9 407 758
- BMW 82 11 1 468 041
- BMW 83 29 0 429 576
- MERCEDES-BENZ MB 345.0
- PORSCHE 000 043 203 33
- PORSCHE 000 043 206 56
- VW/AUDI TL 521 46  
(G 002 000/ A7/ A8/G 004 000)
- MAN M 3289
- OPEL 19 40 715
- OPEL 19 40 766
- VOLVO 1161529
- VOLVO 30741424
- CHRYSLER MS-11655B
- FORD WSS-M2C204-A
- FORD WSS-M2C204-A1
- PSA S712710
- ZF TE-ML 02K

#### Application

Power steering, power-assisted steering, suspension level control system, hydro-pneumatic suspension, hydraulic power window for MB model 221, hydraulic clutch for MB truck with IY2 code for model 374, 375, 930, 932, 933, 934, 940, 942, 943, 944, 950, 952, 953, 954, 957, 970, 972, 974, 975, 976, hydraulic power-shift for MB truck with GS3 code, MB automatic gear control (AGS) with code GE1, MB power-steering for model 68, 171, 199, 203, 204, 209, 211, 215, 216, 219, 220, 221, 230, 240, 414 Van T0, T1N for < -25°C temperature, hydraulic power window for MB code Z07 for model 221, DIN 51524 Part 3 and ISO 7308 standard.



## 75W90 EX

Fully Synthetic

Manual Transmission Fluid  
Trans-axle



VOLTRONIC® 75W90 EX is high performance fully synthetic gear oil for manual transmission and trans-axle without limited-slip differential where required in accordance to performance level API GL-4/GL-5/MT-1, FORD SQM-2C-9002 AA, GM-M 75/1 Military spec. MIL-L-2105D/MIL-PRF-2105E, SAE J2360, MAN 3343 Type E3, 341 Type S, 341 Type Z2, 342 Type M2, MERCEDES-BENZ MB 235.8/235.0, MF 1134, SCANIA STO 1:0, VW TL 727, ZF TE-ML 02B, 05B, 07A, 08, 12B, 12E, 16B, 16F, 17B, 19B, 19C, 21A and 21B.

### Features

- Excellent wear protection
- Excellent corrosion protection
- Excellent fuel economy
- Smooth shifting

### Compatibility

- API GL-4/GL-5/MT-1
- FORD SQM-2C-9002 AA
- GM-M 75/1 Military spec. MIL-L-2105D/MIL-PRF-2105E
- SAE J2360
- MAN 3343 Type E3, 341 Type S, 341 Type Z2, 342 Type M2
- MERCEDES-BENZ MB 235.8/235.0
- MF 1134
- SCANIA STO 1:0
- VW TL 727
- ZF TE-ML 02B, 05B, 07A, 08, 12B, 12E, 16B, 16F, 17B, 19B, 19C, 21A and 21B

### Application

Manual transmission gearbox, transfer case and trans-axle without limited slip differential.

## 75W90 HCLS

Fully Synthetic

Manual Transmission Fluid  
AWD Transfer Case  
Trans-Axle  
LSD



VOLTRONIC® 75W90 HCLS is high performance fully synthetic gear oil for modern manual transmission, transfer case and trans-axle with or without limited slip differential where required in accordance to performance level API GL-5 LS/GL-5, MIL-L-2105D, FORD M2C200-C/C2/C3, MAN 341 TL/342 SL S1, MERCEDES-BENZ MB 235.4 UNIMOG/235.8/235.11, OPEL 19 40 182/19 40 757/19 40 768/19 40 776, VOLVO 97308/97312, SCANIA STO 1:0, SUBARU (MT-F, AWD transfer case and trans-axle), VW 501 50 (G 005 000 05/G 005 000/G 005 000 20/G052 911 A1-A2)/VW TL 521 71 (G 052 171A1/A2)/TL 52157 and ZF TE-ML 02D/08/08/12B/16F/17B.

### Features

- Excellent wear protection
- Excellent corrosion protection
- Excellent fuel economy
- Smooth shifting

### Compatibility

- API GL-5 LS (Limited Slip)/GL-5
- MIL-L 2105D
- FORD M2C200-C/C2/C3
- MAN 341 TL/342 SL S1
- MERCEDES-BENZ MB 235.4 UNIMOG/235.8/235.11
- OPEL 19 40 182/19 40 757/19 40 768/19 40 776
- VOLVO 97308/97312
- SCANIA STO 1:0
- SUBARU (MT-F, AWD transfer case and trans-axle)
- VW 501 50 (G 005 000 05/G 005 000/G 005 000 20 G052 911 A1-A2)/VW TL 521 71 (G 052 171A1/A2)/TL 52157
- ZF TE-ML 02D/08/08/12B/16F/17B
- Performance manual transmission fluid (MT-F), AWD transfer case and trans-axle gear oil for AUDI, BMW, MERCEDES-BENZ, PORSCHE, DAF, EATON, IVECO, LANDROVER, SAAB, SKODA, SEAT, RENAULT, PEUGEOT, CITROEN, CHRYSLER, CHEVROLET, FORD, TOYOTA, NISSAN, MITSUBISHI, DAIHATSU, SUBARU, SUZUKI, HYUNDAI, SSANGYONG, KIA and RENAULT-SAMSUNG.



### 75W90 RLS

Fully Synthetic

Racing Gear Oil  
Sequential Shift  
Manual Transmission Fluid  
Transfer Case  
AWD Trans-Axle  
LSD



VOLTRONIC® 75W90 RLS is high performance fully synthetic competition gear oil for sequential shift manual transmission gearbox, transfer case and trans-axle with or without limited slip differential.

#### Features

- Extreme shock-proof.
- Excellent foam anticipation.
- Extreme wear protection.
- Extreme Light-running.
- Smooth shifting.

#### Compatibility

- API GL-5 LS (Limited Slip)/GL-5
- AUDI/VW performance
- BMW performance
- CITROEN performance
- FORD performance
- MERCEDES-BENZ performance
- MITSHUBISHI performance
- NISSAN performance
- PORSCHE performance
- SUBARU performance
- TOYOTA performance

#### Application

Competition sequential shift manual transmission gearbox, AWD transfer case and trans-axle.

### 80W90 MX

Mineral

Manual Transmission Fluid  
AWD Trans-Axle



VOLTRONIC® 80W90 MX is high performance mineral base gear oil for manual transmission without limited slip differential where required fluid in accordance to performance level API GL-4, MERCEDES-BENZ 235.1, MAN 341 type Z1 and E1, VOLVO 97310 and 97312 and ZF TE-ML 02A/08.

#### Features

- Excellent wear protection.
- Excellent corrosion protection.
- Smooth shifting.
- Low noise.

#### Compatibility

- API GL-4
- MERCEDES-BENZ 235.0/235.1
- MAN 341 type Z1 and E1
- VOLVO 97310 and 97312
- ZF TE-ML 02A and 08

#### Application

Manual transmission fluid and trans-axle without limited slip differential

### 80W90 HCX

Fully Synthetic

Manual Transmission Fluid  
AWD Trans-Axle



VOLTRONIC® 80W90 HCX is high performance fully synthetic gear oil for manual transmission and trans-axle without limited slip differential where required fluid in accordance to performance level API GL-4/GL-5/MT-1, MIL-L-2105D/PRF-2105E, MERCEDES-BENZ 235.0, MAN 341 Type E2, MAN 341 Type Z2, MAN 342, Type M2, MAN 3343 Type M, MF 1134, SCANIA STO 1:0 and VOLVO 97310/97312.

#### Features

- Excellent wear protection.
- Excellent corrosion protection.
- Smooth shifting.
- Low noise.

#### Compatibility

- API GL-4/GL-5/MT-1
- MIL-L-2105D/PRF-2105E
- MERCEDES-BENZ 235.0/235.1
- MAN 341 Type E2, MAN 341 Type Z2, MAN 342 Type M2, MAN 3343 Type M
- MF 1134
- SCANIA STO 1:0
- VOLVO 97310 and 97312
- ZF TE-ML 02B, 05A, 07A, 08, 12E, 16B/C/D, 17B, 19B, 21A.

#### Application

Manual transmission fluid and trans-axle without limited slip differential.



## 85W90 MX Hypoid EP

Mineral

Trans-Axle



VOLTRONIC® 85W90 MX Hypoid EP is high performance mineral based high EP (extreme pressure) gear oil for trans-axle without limited slip differential where required fluid in accordance to performance level API GL-5, MIL-L-2105D, MAN 342 Type M2, MERCEDES-BENZ MB 235.0 and ZF TE-ML 05A, 07A, 12E, 16B/C, 17B, 19B.

### Features

- Excellent extreme pressure.
- Superior thermal stability.
- Excellent foam anticipation.
- Excellent wear protection.
- Excellent corrosion protection.
- Excellent fuel economy.

### Compatibility

- API GL-5
- MIL-L-2105D
- MAN 342 Type M2
- MERCEDES-BENZ MB 235.0
- ZF TE-ML 05A, 07A, 12E, 16B/C, 17B, 19B

### Application

Heavy duty hypoid trans-axle without limited slip differential where required high EP (extreme pressure) gear oil.

## 85W90 LS Hypoid EP

Mineral

Trans-Axle  
LSD



VOLTRONIC® 85W90 LS Hypoid EP is high performance mineral based high EP (extreme pressure) gear oil for trans-axle with or without limited slip differential where required fluid in accordance to performance level API GL-5 LS/GL-5, MIL-L-2105D, FORD M2C104-A, JOHN DEERE JDM J 11 F, LIEBHERR NH 520 B, ZF TE-ML 05C, 12C, 16E, 21C

### Features

- Excellent extreme pressure.
- Superior thermal stability.
- Excellent foam anticipation.
- Excellent wear protection.
- Excellent corrosion protection.
- Excellent fuel economy.

### Compatibility

- API GL-5 LS/GL-5
- MIL-L-2105D
- FORD M2C104-A
- JOHN DEERE JDM J 11 F
- LIEBHERR NH 520 B
- ZF TE-ML 05C, 12C, 16E, 21C

### Application

Heavy duty hypoid trans-axle with limited slip differential or without, where required high EP (extreme pressure) gear oil.

## 75W140 LS Hypoid EP

Fully Synthetic

Transfer Case  
Trans-Axle  
LSD



VOLTRONIC® 75W140 LS Hypoid EP is high performance fully synthetic high EP (extreme pressure) gear oil for heavy duty trans-axle with limited slip differential or without and AWD transfer case where required fluid in accordance to performance level API GL-5 LS/GL-5, MIL-L-2105D, BMW X-Drive transfer case fluid, CHRYSLER MS-8985, FORD M2C192-A, GM 12346140 and JOHN DEERE JDM J 11 G.

### Features

- Excellent extreme pressure.
- Superior thermal stability.
- Excellent foam anticipation.
- Excellent wear protection.
- Excellent corrosion protection.
- Excellent fuel economy.

### Compatibility

- API GL-5 LS (Limited Slip)/GL-5
- MIL-L-2105D
- BMW X-Drive transfer case fluid
- CHRYSLER MS-8985
- FORD M2C192-A
- GM 12346140
- JOHN DEERE JDM J 11 G

### Application

Heavy duty hypoid trans-axle with limited slip differential or without and high torque SUV vehicles transfer case where required high EP (extreme pressure) gear oil.



## **85W140 EXT Hypoid EP**

Mineral

Extreme Heavy Duty  
Trans-Axle



VOLTRONIC® 85W140 EXT Hypoid EP is high performance mineral based high EP (extreme pressure) gear oil for extreme heavy duty hypoid trans-axle differential without limited slip differential where required fluid in accordance to API GL-5, MIL-L-2105D, MAN 342 Type M1 and ZF TE-ML 05A, 07A, 12E, 16C/D, 19B, 21A.

### **Features**

- Excellent extreme pressure.
- Superior thermal stability.
- Excellent foam anticipation.
- Excellent wear protection.
- Excellent corrosion protection.
- Excellent fuel economy.

### **Compatibility**

- API GL-5
- MIL-L-2105D
- MAN 342 Type M1
- ZF TE-ML 05A, 07A, 12E, 16C/D, 19B, 21A

### **Application**

Extreme heavy duty hypoid trans-axle differential without limited slip.



VOLTRONIC® Brake Fluid is high performance 100% synthetic poly glycol based brake fluid for modern hydraulic brake system and clutch actuator with novelty technology ABS (Anti-lock brake system), EBD (Electronic brake force distribution), ESC (Electronic stability control), ESP (Electronic stability program) and DSC (Dynamic stability control).

**Features**

- Full performance with novelty technology ABS, EBD, ESC, ESP and DSC system.
- Excellent thermal stability.
- Excellent anti-aging and anti-foam behaviour.
- Excellent corrosion protection and vapour resistant.
- Excellent deteriorate resistant against water absorption.
- Excellent compatibility with rubber seal and brake hose and brake pipe.



**VOLTRONIC® DOT 4**  
Dry ERBP >260°C  
Wet ERBP >165°C



**VOLTRONIC® DOT 4 LV**  
Viscosity ≤700 mm<sup>2</sup>/s at -40°C  
Dry ERBP >265°C  
Wet ERBP >170°C



**VOLTRONIC® Super DOT 4**  
Dry ERBP >280°C  
Wet ERBP >190°C



**VOLTRONIC® DOT 5.1**  
Dry ERBP >270°C  
Wet ERBP >185°C

## DOT 4

Brake fluid  
100% Synthetic Polyglycol



VOLTRONIC® DOT 4 Brake Fluid is high performance 100% synthetic polyglycol based brake fluid for modern hydraulic brake system and clutch actuator. Fully performance for hydraulic brake and clutch system with novelty technology ABS (Anti-lock brake system), EBD (Electronic brake force distribution), ESC (Electronic stability control), ESP (Electronic stability program) and DSC (Dynamic stability control).

### Features

- Dry boiling point >260°C and Wet boiling point >165°C.
- Fully performance with ABS, ESP, EBD, ESC and DSC system.
- Excellent thermal stability.
- Excellent anti-aging behaviour.
- Excellent corrosion protection.
- Excellent vapour resistant.
- Excellent anti-foam behaviour.
- Full compatible to all rubber and synthetic rubber seal.
- Excellent deteriorate resistant against water absorption.

### Application

- For modern hydraulic brake system and clutch actuator with novelty technology ABS, ESP, EBD, ESC and DSC system.
- Suitable for older generation hydraulic brake system (complete brake fluid replacement are mandatory for older generation brake system).
- All seasons brake fluid, summer and winter performance.

### Compatibility

- FMVSS 116 DOT 4
- ISO 4925 CLASS 4
- SAE J 1703 and J 1704
- AUDI TL 766 X
- CITROEN B 71 2430 (DOT 4)
- MERCEDES-BENZ DBL 7760 Typ DOT 4
- NEW HOLLAND NH 800 A
- FORD SA-M6C9103-A (DOT 4)
- FORD WSS-M6C62-A1
- GM GMW 3356
- MAN FMVSS 116 DOT 4
- OPEL 19 42 421
- PEUGEOT B 71 2430 (DOT 4)
- PSA PEUGEOT CITROEN B 71 2430
- RENAULT 41-02-001
- SAAB GMW 3356 (DOT 4)
- SEAT TL 766 X
- SKODA TL 766 X
- TOYOTA TSK 2602G
- VOLVO FMVSS 116 DOT 4
- VW TL 776 X (DOT 4) N 052 766 X0



## DOT 4 LV

Brake fluid  
100% Synthetic Polyglycol  
Low Viscos Brake Fluid  
≤700 mm<sup>2</sup>/s at -40°C



VOLTRONIC® DOT 4 LV Brake Fluid is high performance 100% synthetic polyglycol based brake fluid for modern hydraulic brake system and clutch actuator. Fully performance with novelty technology ABS (Anti-lock brake system), EBD (Electronic brake force distribution), ESC (Electronic stability control), ESP (Electronic stability program) and DSC (Dynamic stability control).

### Features

- Dry ERBP >265°C and Wet ERBP >170°C.
- Special brake fluid for super low temperature application.
- Low viscosity ≤700 mm<sup>2</sup>/s at -40°C.
- Fully performance with ABS, EBD, ESC, ESP and DSC system.
- Excellent thermal stability.
- Excellent anti-aging behaviour.
- Excellent corrosion protection.
- Excellent vapour resistant.
- Excellent anti-foam behaviour.
- Full compatible to all rubber and synthetic rubber seal.
- Excellent deteriorate resistant against water absorption.

### Application

- Special brake fluid for super low temperature, maintain performance of brake system, ABS and ESP under critical extreme low temperature.
- For modern hydraulic brake system and clutch actuator with novelty technology ABS, EBD, ESC, ESP and DSC.
- Suitable for older generation hydraulic brake system (complete brake fluid replacement are mandatory for older generation brake system).
- All seasons brake fluid, summer and winter.

### Compatibility

- FMVSS 116 DOT 5.1/DOT 4
- ISO 4925 CLASS 5.1/4
- SAE 1704
- AUDI TL 766 Z
- AUDI/VW B 000 700 A1
- AUDI/VW B 000 700 A3
- AUDI/VW B 000 700 A6
- BMW-MINI QV 34 001
- BMW-MINI 81 22 9 407 510
- BMW-MINI 81 22 9 407 511
- BMW-MINI 81 22 9 407 512
- BMW-MINI 81 22 9 407 512
- BUGATTI TL 766 Z
- CITROEN B 71 2430
- FORD SA-M6C9103-A (DOT 4)
- FORD ESD-M6C57-A (Super DOT 4)
- GM GMW 3356
- JAGUAR MNA7829AD (Super DOT 4)
- JIS K2233 class 4
- LAND ROVER LRNDOT4
- LAMBORGHINI TL 766 Z
- MAN FMVSS 116 DOT 4
- MAN TUC 6518/07
- MERCEDES-BENZ DBL 7760 Typ DOT 4
- MERCEDES-BENZ MB 331.0 DOT 4+ (Plus)
- A 000 989 08 07 10
- A 000 989 08 07 11
- A 000 989 08 07 19
- MERCEDES-BENZ DBL 7760 Typ DOT 4+ (Plus)
- PORSCHE 000 043 203 66
- PORSCHE 000 043 203 67
- OPEL GMW 3356
- PEUGEOT B 71 2430
- PSA B 71 2430
- RENAULT 41-02-001
- SAAB GMW 3356
- SEAT TL 766 Z
- SKODA TL 766 Z
- TOYOTA TSK 2602G
- VOLVO FMVSS 116 DOT 4
- VW TL 776 X (DOT 4) N 052 766 X0
- VW TL 776 Y (DOT 5.1) N 052 766 Y0
- VW TL 776 Z (DOT 4+) N 052 766 Z0



## DOT 4 Super

Brake fluid  
100% Synthetic Polyglycol  
Heavy Duty  
Competition



VOLTRONIC® Super DOT 4 Brake Fluid is high performance 100%poly glycol based brake fluid for modern hydraulic brake system and clutch actuator. Developed for heavy duty and competition application. Full performance with novelty technology ABS (Anti-lock brake system), EBD (Electronic brake force distribution), ESC (Electronic stability control), ESP (Electronic stability program) and DSC (Dynamic stability control).

### Features

- Dry ERBP >280°C and Wet ERBP >190°C.
- Full performance with ABS, EBD, ESC, ESP and DSC system.
- Excellent thermal stability.
- Excellent anti-aging behaviour.
- Excellent corrosion protection.
- Excellent vapour resistant.
- Excellent anti-foam behaviour.
- Full compatible to all rubber and synthetic rubber seal.
- Excellent deteriorate resistant against water absorption.

### Application

- Special brake fluid for heavy duty and competition application.
- For modern hydraulic brake system and clutch actuator with novelty technology ABS, EBD, ESC, ESP and DSC system.
- Suitable for older generation hydraulic brake system (complete brake fluid replacement are mandatory for older generation brake system).
- All seasons brake fluid summer and winter performance.

### Compatibility

- FMVSS 116 DOT 4/DOT 5.1
- ISO 4925 CLASS 4/5.1
- SAE 1704
- AUDI TL 766 Z
- AUDI/VW B 000 700 A1
- AUDI/VW B 000 700 A3
- AUDI/VW B 000 700 A6
- BMW-MINI QV 34 001
- BMW-MINI 81 22 9 407 510
- BMW-MINI 81 22 9 407 511
- BMW-MINI 81 22 9 407 512
- BMW-MINI 81 22 9 407 512
- BUGATTI TL 766 Z
- CITROEN B 71 2430
- FORD SA-M6C9103-A (DOT 4)
- FORD ESD-M6C57-A (Super DOT 4)
- GM GMW 3356
- JAGUAR MNA7829AD (Super DOT 4)
- JIS K2233 class 4
- LAND ROVER LRNDOT4
- LAMBORGHINI TL 766 Z
- MAN FMVSS 116 DOT 4
- MAN TUC 6518/07
- MERCEDES-BENZ DBL 7760 Typ DOT 4
- MERCEDES-BENZ MB 331.0 DOT 4+ (Plus) A 000 989 08 07 10 A 000 989 08 07 11 A 000 989 08 07 19
- MERCEDES-BENZ DBL 7760 Typ DOT 4+ (Plus)
- PORSCHE 000 043 203 66
- PORSCHE 000 043 203 67
- OPEL GMW 3356
- PEUGEOT B 71 2430
- PSA B 71 2430
- RENAULT 41-02-001
- SAAB GMW 3356
- SEAT TL 766 Z
- SKODA TL 766 Z
- TOYOTA TSK 2602G
- VOLVO FMVSS 116 DOT 4
- VW TL 776 X (DOT 4) N 052 766 X0
- VW TL 776 Y (DOT 5.1) N 052 766 Y0
- VW TL 776 Z (DOT 4+) N 052 766 Z0



## DOT 5.1

Brake fluid  
100% Synthetic Polyglycol



VOLTRONIC® DOT 5.1 Brake Fluid is high performance 100% synthetic polyglycol based brake fluid for modern hydraulic brake system and clutch actuator. Fully performance with novelty technology ABS (Anti-lock brake system), EBD (Electronic brake force distribution), ESC (Electronic stability control), ESP (Electronic stability program) and DSC (Dynamic stability control).

### Features

- Dry ERBP >270°C and Wet ERBP >185°C.
- Fully performance with ABS, EBD, ESC, ESP and DSC system.
- Excellent thermal stability.
- Excellent anti-aging behaviour.
- Excellent corrosion protection.
- Excellent vapour resistant.
- Excellent anti-foam behaviour.
- Full compatible to all rubber and synthetic rubber seal.
- Excellent deteriorate resistant against water absorption.

### Application

- For modern hydraulic brake system and clutch actuator with novelty technology ABS, EBD, ESC, ESP and DSC.
- Suitable for older generation hydraulic brake system (complete brake fluid replacement are mandatory for older generation brake system).
- All seasons brake fluid, summer and winter.

### Compatibility

- FMVSS 116 DOT 5.1/DOT 4
- ISO 4925 CLASS 5.1/4
- SAE 1704
- AUDI TL 766 Z
- AUDI/VW B 000 700 A1
- AUDI/VW B 000 700 A3
- AUDI/VW B 000 700 A6
- BMW-MINI QV 34 001
- BMW-MINI 81 22 9 407 510
- BMW-MINI 81 22 9 407 511
- BMW-MINI 81 22 9 407 512
- BMW-MINI 81 22 9 407 512
- BUGATTI TL 766 Z
- CITROEN B 71 2430
- FORD SA-M6C9103-A (DOT 4)
- FORD ESD-M6C57-A (Super DOT 4)
- GM GMW 3356
- JAGUAR MNA7829AD (Super DOT 4)
- JIS K2233 class 4
- LAND ROVER LRNDOT4
- LAMBORGHINI TL 766 Z
- MAN FMVSS 116 DOT 4
- MAN TUC 6518/07
- MERCEDES-BENZ DBL 7760 Typ DOT 4
- MERCEDES-BENZ MB 331.0 DOT 4+ (Plus) A 000 989 08 07 10 A 000 989 08 07 11 A 000 989 08 07 19
- MERCEDES-BENZ DBL 7760 Typ DOT 4+ (Plus)
- PORSCHE 000 043 203 66
- PORSCHE 000 043 203 67
- OPEL GMW 3356
- PEUGEOT B 71 2430
- PSA B 71 2430
- RENAULT 41-02-001
- SAAB GMW 3356
- SEAT TL 766 Z
- SKODA TL 766 Z
- TOYOTA TSK 2602 class 4
- VOLVO FMVSS 116 DOT 4
- VW TL 776 X (DOT 4) N 052 766 X0
- VW TL 776 Y (DOT 5.1) N 052 766 Y0
- VW TL 776 Z (DOT 4+) N 052 766 Z0

## ERBP (Equilibrium Reflux Boiling Point)

### Dry ERBP °C

ERBP measured from new, unused, freshly opened brake fluid (DIN/ISO 4925).  
Water content 0.15% max. for new freshly open brake fluid (DIN 51777-1).

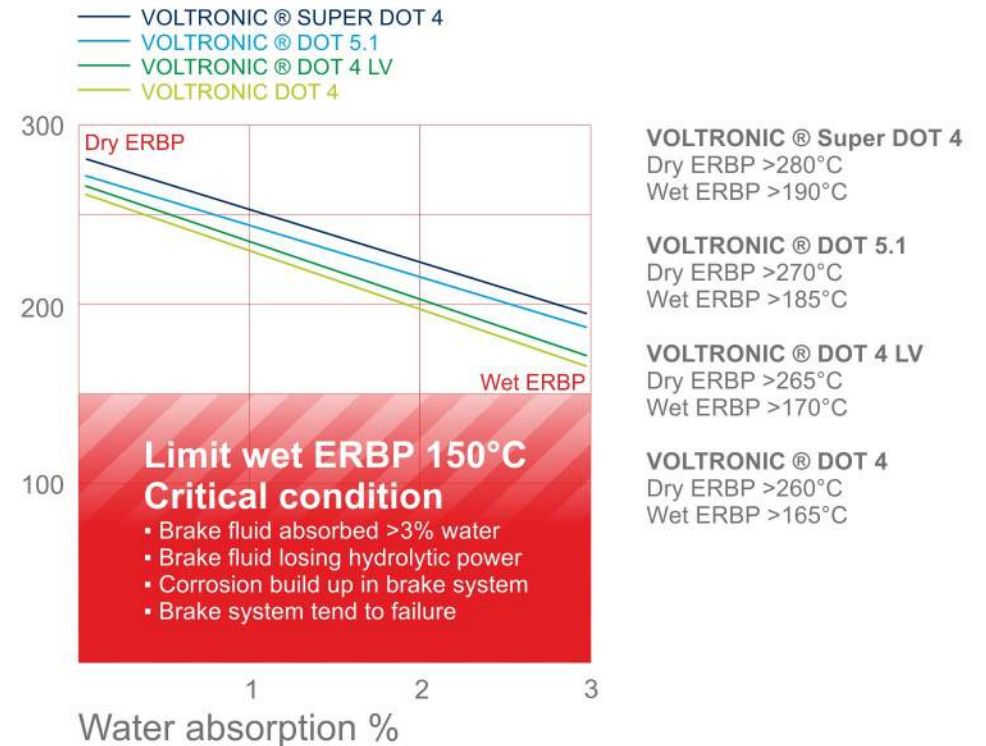
### Wet ERBP °C

ERBP measured after brake fluid absorbed 3% water (DIN/ISO 4925).

### Limit wet ERBP °C

Critical limit wet ERBP when brake fluid losing hydrolytic power (150°C).


### Dry ERBP and Wet ERBP diagram



**VOLTRONIC® Brake fluid compatibility**

VOLTRONIC® recommended complete entire brake fluid change for excellent brake system performance and reliability. Brake fluid refill is an optional for temporary or emergency purposes. VOLTRONIC® Brake Fluid DOT 4, SUPER DOT 4 and DOT 5.1 are fully compatible with OEM and AM brake fluid DOT 3, DOT 4, DOT 4+/SUPER DOT 4, DOT 4 LV, DOT 4 ESP and DOT 5.1, however not compatible with DOT 5 silicone type brake fluid. Refer to replacement guidance below:

OEM and AM brake fluid replacement guidance	DOT 3	DOT 4	DOT 4+ Super DOT 4	DOT 4 LV Low viscous	DOT 4 ESP Low viscous	DOT 5.1
VOLTRONIC® DOT 4	Fully compatible	Fully compatible	Emergency refill only	Emergency refill only	Emergency refill only	Emergency refill only
VOLTRONIC® DOT 4 LV	Fully compatible	Fully compatible	Fully compatible	Fully compatible	Fully compatible	Fully compatible
VOLTRONIC® SUPER DOT 4	Fully compatible	Fully compatible	Fully compatible	Emergency refill only	Emergency refill only	Fully compatible
VOLTRONIC® DOT 5.1	Fully compatible	Fully compatible	Fully compatible	Emergency refill only	Emergency refill only	Fully compatible

 Fully compatible  
Replaceable and refill with VOLTRONIC® Brake fluid

 Fully compatible  
For temporary or emergency refill only

### Brake fluid degradation diagram

- Moisture presence in the system and exceed 3% max. standard limit.
- Brake fluid absorbed moisture.
- Vapour, oxide and foam built up in brake system and sub system ABS, ESP, EBD, ESC and DSC.



- Brake fluid losing hydrolytic power.
- Increase of acid level in brake system.
- Corrosion build up in brake system.
- ERBP degraded.

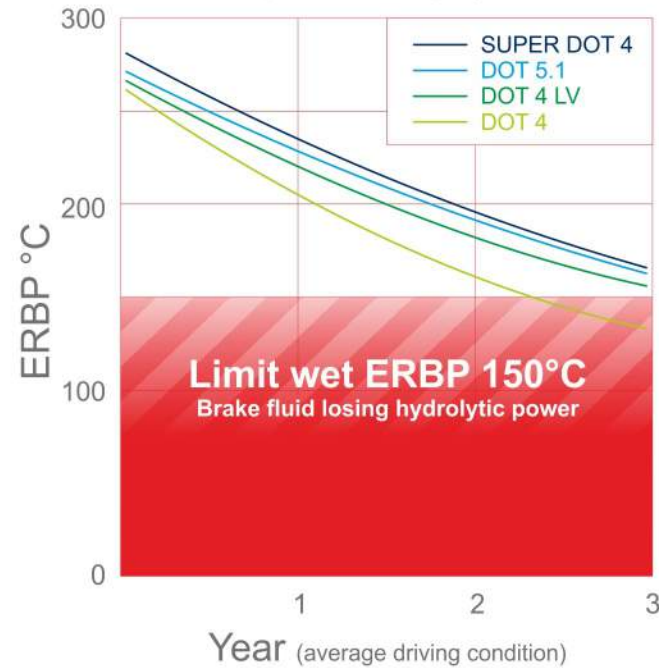


- Poor braking performance, slow and delay braking respond, unbalance brake force distribution.
- Brake system tend to failure.
- Poor safety factor.
- Expected expensive replacement cost of brake system eg. brake pump, calliper, piston, ABS, ESP, EBD, ESC and DSC.

ERBP : Equilibrium Flux Boiling Point

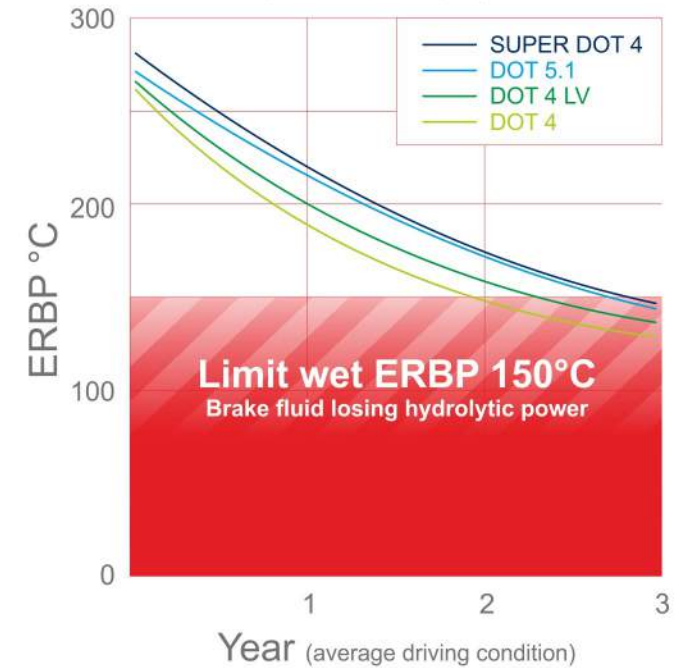
### ERBP degradation diagram in average humidity area

Brake fluid water absorption rate 1.6% per year



### ERBP degradation diagram in high humidity area

Brake fluid Water absorption rate 2.0% per year



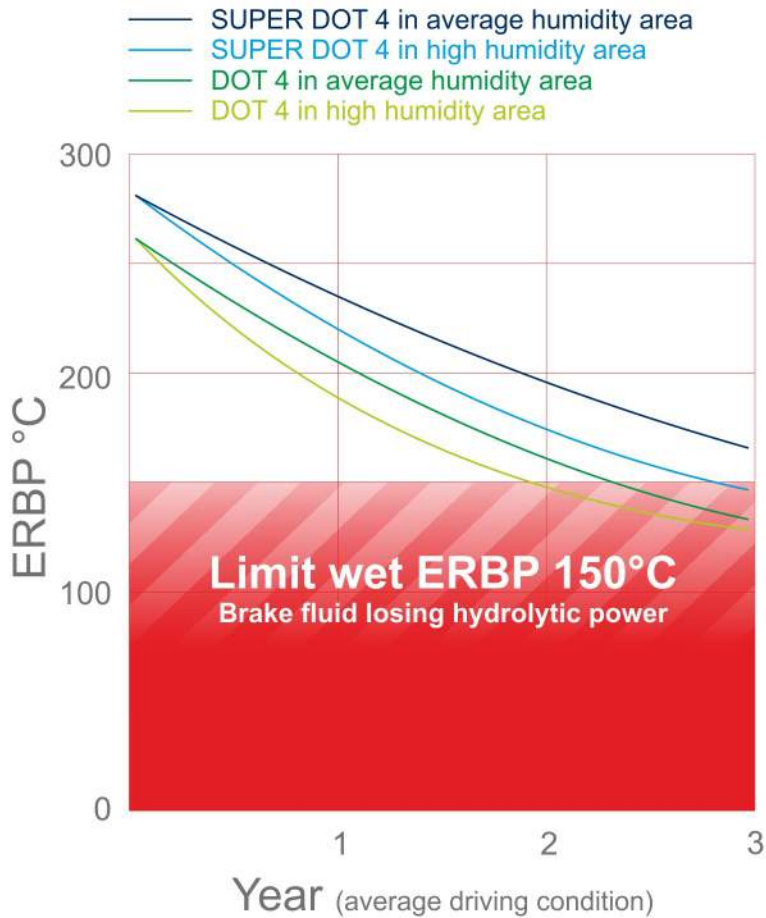
### ERBP degradation in high humidity area vs average humidity area

Brake fluid ERBP degradation comparison diagram in average humidity region vs high humidity area

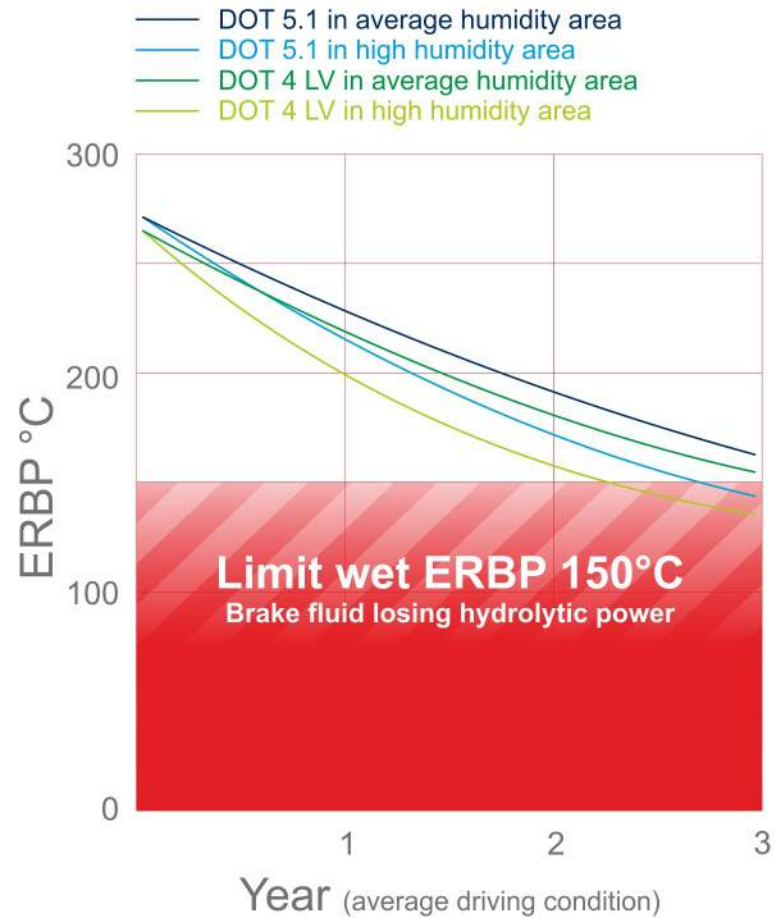
Brake fluid water absorption rate from some various area:

- 1.6% water absorption rate per year in average humidity area.
- 2.0% water absorption rate per year in high humidity area.

**Brake fluid ERBP degradation diagram  
VOLTRONIC® DOT 4 and SUPER DOT 4**

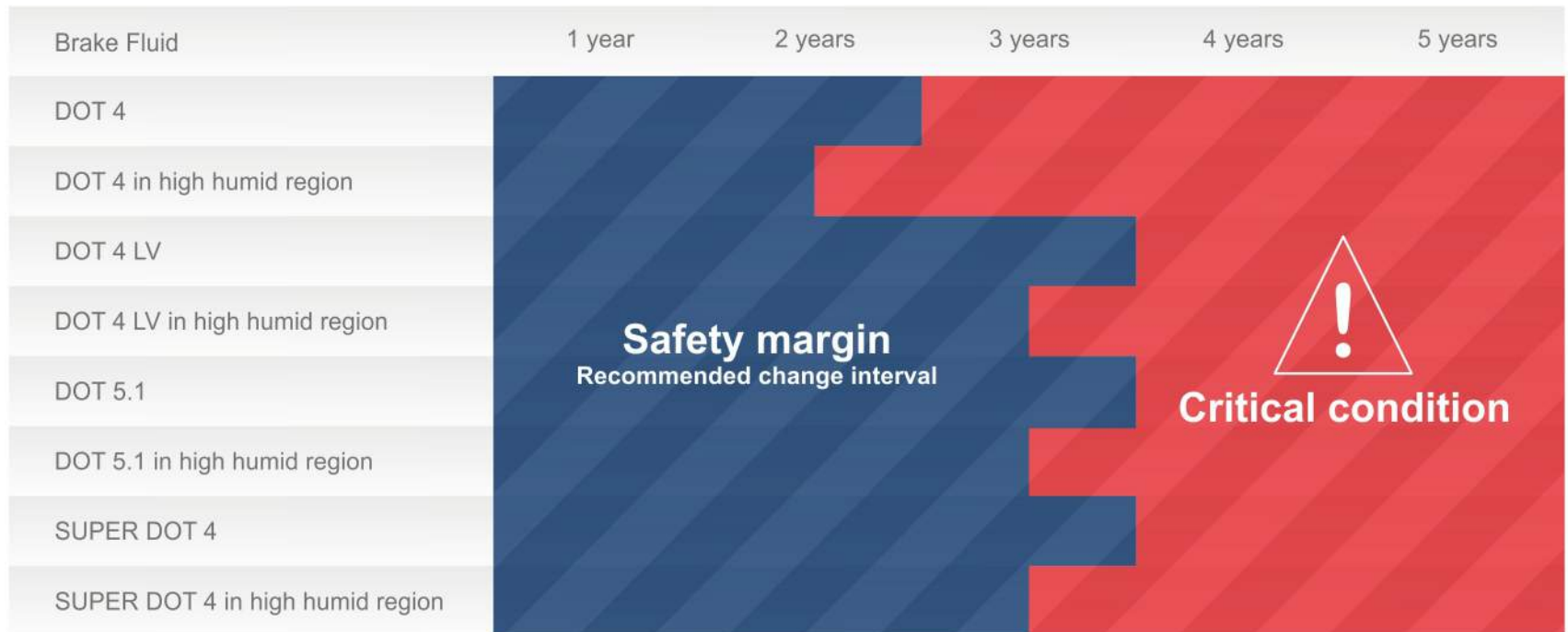


**Brake fluid ERBP degradation diagram  
VOLTRONIC® DOT 4 LV and DOT 5.1**



### Brake fluid change interval

VOLTRONIC® recommend 2 years or up to 3 years maximum brake fluid change interval regardless of mileage. Refer to safety margin diagram below:



**VOLTRONIC® Antifreeze Coolant**



**VOLTRONIC® R30 Coolant AN**  
G11 Coolant concentrate  
Amine, nitrite and phosphate free  
Mercedes-Benz MB 325.0 approved



**VOLTRONIC® R32 Coolant AN-SF+**  
G12+ Coolant concentrate  
Amine, nitrite, phosphate and silicate free



**VOLTRONIC® R34 Coolant AN++**  
G12++ (Plus plus) Coolant concentrate  
Amine, nitrite and phosphate free  
Organic OAT type coolant



**VOLTRONIC® R36 Coolant AN**  
G13 Coolant concentrate  
Amine, nitrite and phosphate free

**Premix OEM quality coolant**

- VOLTRONIC® R31 Coolant OEM AN (G11)
- VOLTRONIC® R33 Coolant OEM AN-SF+ (G12+)
- VOLTRONIC® R35 Coolant OEM AN++ (G12++)
- VOLTRONIC® R37 Coolant OEM AN (G13)

**Competition coolant**

- VOLTRONIC® R38 Racing Coolant  
for extreme heavy duty race engine.



## R30 Coolant AN

G11

Concentrate  
Amine-Nitrite-Phosphate free

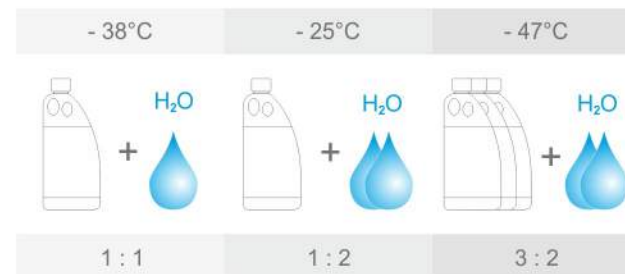
VOLTRONIC® R30 Coolant AN (G11) is high performance concentrate long-life amine-nitrite-phosphate free antifreeze coolant for high performance vehicles and stationary engines. OEM approval by MERCEDES-BENZ MB 325.0.

### Features

- Amine, nitrite and phosphate free.
- Extended drain interval (with 1:1 dosage).
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

### Application

Long-life antifreeze coolant for high performance vehicle and stationary engine. Mixture direction:



### Compatibility

- ASTM D 3306
- ASTM D 4985
- AFNOR NF R 15-601
- ALFA ROMEO performance
- AUDI TL-774 C (G11)
- BMW N60069.0
- BMW-MINI N60069.0
- BMW GS 9400
- BOMAG performance
- BS 6580
- BUNDESWEHR TL 6805-0038
- CHRYSLER MS7170/MS-9769
- CUMMINS 85T8-2, CESMG03
- DAEWOO performance
- DAIHATSU performance
- DEUTZ TR 0199-99-1115
- DEUTZ H-LV 0160 0188
- FERRARI performance
- FIAT performance
- FORD ESD-M97B49-A
- FORD ESE-M97B44-A
- FORD WSS-M97B51-A1
- GM 1825M, 1899M
- HITACHI performance
- HOLDEN HN2217/HN2043 H
- IVECO 18-1830
- JASO M325
- JENBACHER TA 1000-0201
- JOHN DEERE JDM H24
- JI CASE JIC-501
- JIS K2234 (Japan Industrial Standard)
- KIA performance
- KOBELCO performance

- KUBOTA performance
- KSM 2142 (Korea Standard)
- LAMBORGHINI TL 774 C (G11)
- LEYLAND BLS.22.AF.01
- LIEBHERR TLV 035, TLV 23009 A
- MAN 324 NF, NF PRITARDER
- MAN B&W List 3.3.7
- MAYBACH 325.0
- MERCEDES-BENZ MB 325.0
- MG-ROVER BLS.22.AF.01
- MTU MTL 5048
- MWM TR 0199-99-2091
- NATO S-759
- NISSAN performance
- OPEL QL 130100
- POLISH PN C-40007:2000 norm.
- PORSCHE TL 774 C (G11)
- RENAULT Type D
- RENAULT-SAMSUNG performance
- ROLLS-ROYCE N60069.0
- SAAB 6901599
- SAE J1034
- SEAT TL 774 C (G11)
- SKODA TL 774 C (G11)
- SMART 325.0
- SSANGYONG performance
- SUBARU performance
- SUZUKI performance
- TOYOTA/LEXUS performance
- VOITH TURBO 172.00225010
- VOLVO 1286083/002
- VW TL 774 C (G11)



## VOLTRONIC® Antifreeze Coolant

### R32 Coolant AN-SF+

G12+

Concentrate  
Amine-Nitrite-Phosphate-Silicate free

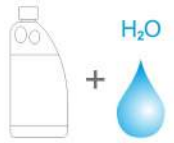
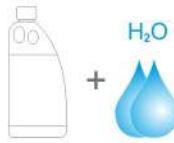

VOLTRONIC® R32 Coolant AN-SF+ (G12+) is high performance concentrate long-life amine-nitrite-phosphate-Silicate free antifreeze coolant for high performance vehicles and stationary engines.

#### Features

- Amine, nitrite, phosphate and silicate free.
- Extended drain interval (with 1:1 dosage).
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

#### Application

Long-life antifreeze coolant for high performance vehicles and stationary engines. Mixture direction:

- 38°C	- 25°C	- 47°C
		
1 : 1	1 : 2	3 : 2

#### Compatibility

- ASTM D 3306, D 4985
- ALFA ROMEO performance
- ASTON MARTIN WSS-M 97B44-D
- AUDI TL 774 D/F (G12/G12+)
- AFNOR NF R 15-601
- BENTLEY TL 774 D/F (G12/G12+)
- BMW/MINI N 600 69.0
- BUGATTI TL 774 D/F (G12/12+)
- BS 6580
- CITROËN performance
- CUMMINS performance
- DAF 74002
- DEUTZ TR 0199-99-1115
- DETROIT DIESEL DDC 93K217
- FERRARI performance
- FIAT 955523, NC 956-16
- FORD WSS-M 97B44-D
- BUNDESWEHR TL6850-0038/1
- GM 6277M
- HITACHI performance
- HOLDEN 6277M
- HONDA performance
- HYUNDAI performance
- IVECO performance
- IVECO-IRISBUS performance
- JAGUAR WSS-M 97B44-D
- JENBACHER TA 1000-0201
- JI CASE JIC-501
- KIA performance
- KOBELCO performance
- KOMATSU 07.892
- KUBOTA performance
- KSM 2142 (Korea Standard)
- LAMBHORGINI TL 774 D/F (G12/G12+)
- LAND ROVER WSS-M 97B44-D
- JASO M325
- JOHN DEERE JDMH5
- JIS K2234 Class 2
- LEYLAND DW03245403
- LIEBHERR MD 1-36-130
- MACK 014 GS 17009
- MAN 324 SNF
- MAYBACH 325.3
- MAZDA MEZ MN 121D
- MERCEDES-BENZ MB 325.3
- MITSUBISHI ES-X64217
- MTU MTL 5048
- MWM TR0199-99-2091
- NISSAN NES M5059
- NATO S-759
- OPEL 6227M
- PORSCHE TL 774 D/F (G12/G12+)
- PSA B 71 5110
- RENAULT RNUR 41-01-001Q Type D
- RENAULT RNUR 41-01-001S Type D
- RENAULT-SAMSUNG performance
- ROLLS-ROYCE N 600 69.0
- SAAB 6227M
- SCANIA TI 02-98 0813 T/B/M SV
- SMART 325.3
- SSANGYONG performance
- SUBARU performance
- SUZUKI performance
- TOYOTA/LEXUS long-life TSK2601G
- VOLVO 128 6083/002
- GE-WAUKESHA performance
- YANMAR performance
- VW TL 774 D/F (G12/G12+)
- WÄRTSILÄ 32-9011
- WÄRTSILÄ SULZER Diesel TR 1508-10/94
- WÄRTSILÄS ACM Diesel DLP799861



**R34 Coolant AN++**

G12++ (Plus plus)

Concentrate  
OAT organic  
Amine-Nitrite-Phosphate free

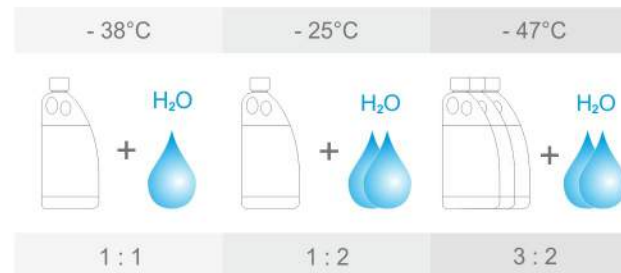
VOLTRONIC® R34 Coolant AN++ (G12 Plus Plus) is high performance concentrate long-life OAT organic amine-nitrite-phosphate free antifreeze coolant for high performance vehicles and stationary engines.

**Features**

- Amine, nitrite and phosphate free.
- Extended drain interval (with 1:1 dosage).
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

**Application**

Long-life antifreeze coolant for high performance vehicle and stationary engine.



**Compatibility**

- ASTM D 3306
- ALFA ROMEO performance
- ASTON MARTIN WSS-M 97B44-D
- AUDI TL 774 G (G12++)
- AFNOR NF R 15-601
- BENTLEY TL 774 G (G12++)
- BMW/MINI N 600 69.0
- BUGATTI TL 774 G (G12++)
- BS 6580
- CITROËN performance
- CUMMINS performance
- DAF 74002
- DEUTZ TR 0199-99-1115
- DETROIT DIESEL DDC 93K217
- FERRARI performance
- FIAT 955523, NC 956-16
- FORD WSS-M 97B44-D
- BUNDESWEHR TL6850-0038/1
- GM 6277M
- HOLDEN 6277M
- HYUNDAI performance
- IVECO performance
- IVECO-IRISBUS performance
- JAGUAR WSS-M 97B44-D
- JENBACHER TA 1000-0201
- JI CASE JIC-501
- KIA performance
- KSM 2142 (Korea Standard)
- LAMBHORGINI TL 774 G (G12++)
- LAND ROVER WSS-M 97B44-D

- JOHN DEERE JDMH5
- LEYLAND DW03245403
- LIEBHERR MD 1-36-130
- MACK 014 GS 17009
- MAN 324 Type Si-OAT
- MAYBACH 325.3
- MAZDA MEZ MN 121D
- MERCEDES-BENZ MB 325.3
- MERCEDES-BENZ MB 325.5
- MITSUBISHI ES-X64217
- MTU MTL 5048
- MWM TR0199-99-2091
- NATO S-759
- OPEL 6227M
- PORSCHE TL 774 G (G12++)
- PSA B 71 5110
- RENAULT RNUR 41-01-001Q Type D
- RENAULT RNUR 41-01-001S Type D
- RENAULT-SAMSUNG performance
- ROLLS-ROYCE N 600 69.0
- SAAB 6227M
- SCANIA TI 02-98 0813 T/B/M SV
- SMART 325.3
- SSANGYONG performance
- VOLVO 128 6083/002
- GE-WAUKESHA performance
- VW TL 774 G (G12++)
- WÄRTSILÄ 32-9011
- WÄRTSILÄ SULZER Diesel TR 1508-10/94
- WÄRTSILÄS ACM Diesel DLP799861



## VOLTRONIC® Antifreeze Coolant

### R36 Coolant AN

G13

Concentrate  
Amine-Nitrite-Phosphate free

VOLTRONIC® R36 Coolant AN (G13) is high performance concentrate long-life anti-freeze coolant for high performance VAG group vehicles AUDI, SEAT, SKODA and VOLKSWAGEN where required VW TL 774 J norm antifreeze coolant.

#### Features

- Amine, nitrite and phosphate free.
- Extended drain interval (with 1:1 dosage).
- Excellent corrosion inhibitor.
- Excellent cavity protection.
- Excellent lime aggregate prevention.
- Excellent anti-aging behavior.
- Excellent water pump and thermostat lubrication.
- Fully compatible for cast iron, plastic, aluminium, aluminium alloy, magnesium and magnesium alloy radiator.

#### Application

Long-life anti-freeze coolant for high performance VAG group vehicles AUDI, SEAT, SKODA and VOLKSWAGEN where required VW TL 774 J norm antifreeze coolant. Recommended mixture 1:1 with de-ionized or distilled water.

#### Compatibility

- AUDI TL 774 J (G13)
- SEAT TL 774 J (G13)
- SKODA TL 774 J (G13)
- VW TL 774 J (G13)

