



Additives

Packages and components to formulate finished lubricants and fluids



BRB additives

Over 30 years of experience coming your way

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Viscosity Index Improvers

- **Viscotech 6-series:**
 - **OCP Viscosity Modifiers** with excellent shear stability (22 SSI), thickening power and cold weather properties (no gelling, excellent CCS/MRV performance). Available in solid bale and liquid form.
- **Viscotech 5-series:**
 - **High tier, very shear stable Viscosity Modifiers**, suitable for top tier grades and low viscosities, such as 5W and 0W grades, requiring the best stay in grade performance (0-5/10 SSI). Available in solid bale, solid powder and liquid form.
- **Viscotech 4-series:**
 - **High tier, very shear stable Viscosity Modifiers**, suitable for top tier grades and low viscosities, such as 5W and 0W grades, requiring the best stay in grade performance (10-SSI). Available in solid powder and Liquid form.

Driveline additive packages

- **Petrolad 336:** high tier manual gear oil additive package, providing excellent performance at low dosage %wt.

Performances of Petrolad 336	Treat rate %wt.
GL-4	1.8-2.0
GL-5 LS	3.8-4.0
GL-4/5 LS	3.8-4.0
SAE J2360	4.5**
MT-1	3.0*
Ford WSD-M2C200-C	5.0**
MACK GO-J	4.5-5.0**
MACK GO-J plus	6.0**
Scania STO 1:0	6.0**

MAN 342 M1, M2, M3	7.0**
MAN 342 S1, S2	8.0**

- **Petrolad 753:** Caterpillar TO-4 performance package, designed for off-road applications.
 - Performance at **6.13% wt.:**
 - Caterpillar TO-4;
 - Caterpillar TO-4M;
 - Allison C-4;
 - Komatsu;
 - API CF/CF-2.
- **Petrolad 743N:** Automatic Transmission Fluid additive.
 - Performance at 10% wt.:
 - DEXRON IIIH, Ford Mercon;
 - Does not require any other additives;
 - Can be down treated to DEXRON II @ 7.3% wt.

Industrial additive packages

- **Petrolad 336 EP:** industrial gear oil additive package, designed for high pressure (EP) applications.

Performances of Petrolad 336 EP	Treat rate %wt.
AGMA 252.04	2.0% wt.
ISO 12925-1 CKC	2.0% wt.
ISO6743 - 6 CKC	2.0% wt.
US Steel 224	1.8% wt.
DIN 51517 Part III	1.8% wt.

- **Petrolad 1846:** high tier package, designed for ash less hydraulics, turbine oil, compressor oil and R&O fluids.

Performances of Petrolad 1846	Treat rate %wt.
DIN 51524, part 2 and 3 (HLP, HLVP) DIN 51515, part 2	0.6% wt.*
Denison HF-0	0.5% wt.*
DIN 51524, Part 1 DIN 51517, part 2	0.3% wt.*

* Petrolad 1846 meets more approvals, please refer to the datasheet for more information.

- **Petrolad 9530:** zinc containing hydraulic additive package to formulate hydraulics.

Performances of Petrolad 9530	Treat rate %wt.
AFNOR NF E 48-603 (HM & HL)	0.45 %wt.
Denison TP02100	0.45 %wt.
DIN 51524 Part 1 & part 2 (HLP)	0.45%wt.
Vickers I-286-S	0.45%wt.

- **Petrolad 9533:** high tier, zinc containing additive package to formulate hydraulics.

Performances of Petrolad 9533	Treat rate %wt.
Cincinatti Milacron P-68/69/70	0.6-0.8 %wt.
Denison HF-0/HF-1/HF-2	0.6-0.8 %wt.
DIN 51524 part 2 and 3	0.6-0.8 %wt.
US Steel 127 / 136	0.6-0.8 %wt.
Eaton (Vickers) M-2950-S / I-286-S	0.6-0.8 %wt.

* Denison T-6H20C Hybrid Pump (A-TP-30533) pass for Denison HF-0 at 0.8%

Engine oil packages

- **Petrolad 9200:** Multipurpose engine oil additive package, developed for formulating cost effective passenger car motor oils and heavy duty diesel oils.
Petrolad 9200 meets the following specifications:

API performance level	Treat rate wt.%	
	Mono grade	Multi grade
SL/CF-4	-	6.75
SL/CF	6.00	6.00
SJ/CF-4	5.75	5.75
SJ/CF	4.50	4.50
SG/CF	3.25	3.25
SF/CF SF/CD SF/CC	3.15	3.15

SE/CD SE/CC SD/CC	2.75	3.15
SC/CC	2.00	2.30
SB/CB	1.50	1.75

- **Petrolad 8100:** Heavy duty diesel oil package
 - Performances @ 12.9% wt. *(more specs available):*

Performances of Petrolad 8100	Treat rate %wt.
API	CI-4
ACEA	E7-04/08 ACEA A3/B3/B4-08
Renault Truck	RLD-2
Cummins	2077/78
MTU	Type 2

- **Petrolad 8099:**
 - Performances @ 11.2% wt. *(more specs available):*

Performances of Petrolad 8099	Treat rate %wt.
API	CH-4
ACEA	E7-04/08
MB	228.2/3
Jaso	DH-1

- **Petrolad 8771SC:**
 - SB/CB to CF package with high TBN (10+) in finished lube.

Agricultural









- **Petrolad 8363:** Very competitive agricultural package for UTTO applications.
 - Performances @ 5.54 % wt.:

Performances of Petrolad 8683	Treat rate %wt.
John Deere	J20C
Allison	C-4
Massey Ferguson	M-1135, M-1141, M-1143, M-1145
Case international	MAT 3505 (MS-1209), MS-1206, MS-1207, MS-1210
Ford ESN	M2C86-B, ESN-M2C86-C/ M2C-134 A, B, C, D
CNH	MAT 3525, 3526




****The Petrolad 8363 comes with many more specifications. Consult your BRB representative for more information****

Sulfonates, Components and tacky additives

- **Petrolad 6779:** a 400 TBN overbased calcium sulfonate detergency and rust-inhibitor. It is used as detergent, acid neutraliser and rust inhibitor in various fields of application.
- **BRB Calplex product overview - Gelled Sulfonates**

Solvent Based	 Thixocal 3000A  Thixocal 5000A  Thixocal 5300  Thixocal 5300FD  Thixocal 7000E
Oil Based	 Thixocal 2000A
Water Emulsions	 Thixocal 4000A  Thixocal 4400

- Tacky Additives

An extremely efficient, easy to handle, tacky additive specifically formulated for mineral oil based lubricants	 Petrolad 484FT
An extremely efficient, easy to handle, tacky additive, approved by NSF to be used in applications with incidental food contact	 Petrolad 484FGD
An efficient, Biodegradable tacky additive specifically formulated to dissolve easily in natural vegetable oils	 Petrolad 484BD

Fuel Additives

BRB International produces a full range of aftermarket fuel additives, which can be delivered in concentrate or ready to use fluid:

	Multifunctional/ detergent control	Performance additives	Specialties
Gasoline	Petrolad 42336	Petrolad 42368	Lead replacement
	Petrolad 42336G (RTU)	Petrolad 42368G (RTU)	Petrolad 42100 (VSR protector)
		Petrolad 48395 (octane booster)	
Diesel	Petrolad 43359	Petrolad 43857	Petrolad 44763 (DPFC)
	Petrolad 43359D (RTU)	Petrolad 43857D (RTU)	Petrolad 44763D (DPFC RTU)
		Petrolad 43134 (cetane improver)	Cold Flow
LPG			Valve protection additive

Additional information

The products presented in the summary above are the key products in our range. BRB International produces many more additives and will be able to provide the necessary data and technical support upon request. Please do not hesitate to contact your BRB representative for more detailed information.

Warranty: The information given in this product data sheet are believed to be fully accurate. However, BRB International BV shall not be liable for its content and make no warranty with respect thereto. For additional information we request you to contact BRB International BV or visit our web-site: www.brb-international.com

