



A Subsidiary of PETRONAS Chemicals Group

# PRODUCT DATA SHEET

## Petrolad<sup>®</sup> 9533

### Hydraulic Oil Additive Package

**BRB Lube oil Additives & Chemicals**

P.O. Box 3552 NL - 6017 ZH Thorn

Office: Voltaweg 26, 6101 XK, Echt, the Netherlands

T: +(31) 475 560 300

[www.brb-international.com/lac](http://www.brb-international.com/lac)

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## Petrolad® 9533

### Product Description

Petrolad® 9533 is an anti-wear, corrosion inhibitor & anti-oxidant, especially designed to formulate zinc-containing hydraulic fluids, based on mineral oils as well PAO/ester-based oils.

### Benefits

Petrolad® 9533 offers outstanding corrosion protection, good filterability, demulsification, very high oxidation stability & retention of performance that extends fluid- and equipment life.

### Performance

Performances of Petrolad® 9533 at 0.45 to 0.60 % w/w:

- MAG IAS (Cincinnati Milacron) P-68-69-70;
- DIN 51524 part 2 and 3;
- Eaton Vickers I-286-S;
- SEB 181 222 (HLP);
- AFNOR NF E 48-603.

Performances of Petrolad® 9533 at 0.60 % w/w:

- Denison HF-0 / HF-1 / HF-2;
- Denison T-6H20C Hybrid Pump (A-TP-30533) pass for Denison HF-0 at 0,8 % w/w;
- US Steel 126, 127 & 136;
- Eaton Vickers M-2950-S;
- ISO 11158 (HM, HV).

### Typical Data

Parameter	Unit	Method	Typical
Appearance	-	Visual	Clear, light brown liquid
Density @ 15 °C	g/cm <sup>3</sup>	ASTM D4052	0,980
Kinematic viscosity @ 40 °C	cSt	ASTM D445	80
Phosphorous content	% w/w	IH TM	3,2
Sulphur content	% w/w	IH TM	7,0
Zinc content	% w/w	IH TM	3,5
Flash point	°C	ASTM D93	130

The abovementioned properties are typical and should not be used as quality control parameters to accept or reject the product.

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### Handling & Storage

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Minimum loading/unloading/pumping temperature	20 °C
Maximum loading/unloading/pumping temperature	50 °C
Maximum blending temperature	50 °C
Maximum storage temperature	25 °C
Maximum long-term* storage temperature	25 °C

\*Longer than 2 months.

An MSDS is available upon request.

### FOR MORE INFORMATION

Please contact

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### IMPORTANT NOTICE

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](http://www.brb-international.com)