



A Subsidiary of PETRONAS Chemicals Group

# PRODUCT DATA SHEET

## Petrolad<sup>®</sup> 8830

Heavy-Duty Engine Oil Additive Package  
For CI-4 Performance Level

**BRB Lube oil Additives & Chemicals**

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### Product Description



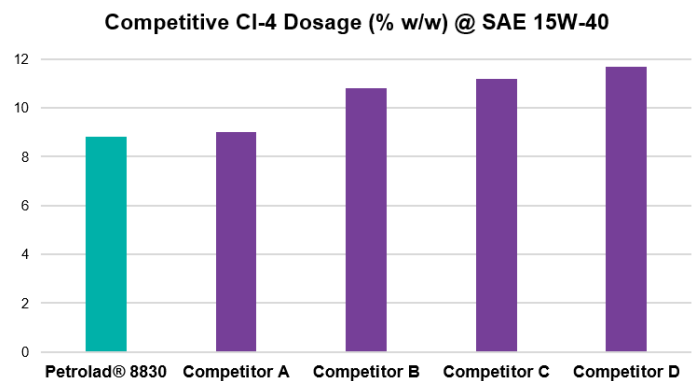
Petrolad® 8830 is a high-quality additive package, designed to meet the CI-4 performance requirements of diesel engine oils, where no API certification is needed. It offers very competitive treat rates for several 15W-XX and 10W-XX viscosity grades (among others), required by efficient, modern trucks. The product is suitable for various mineral and synthetic blends, while exhibiting particularly great results in GR II/III base stocks across multiple geographic regions.

### Benefits

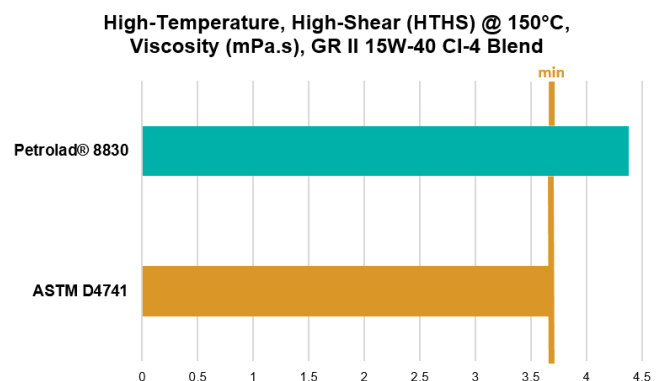
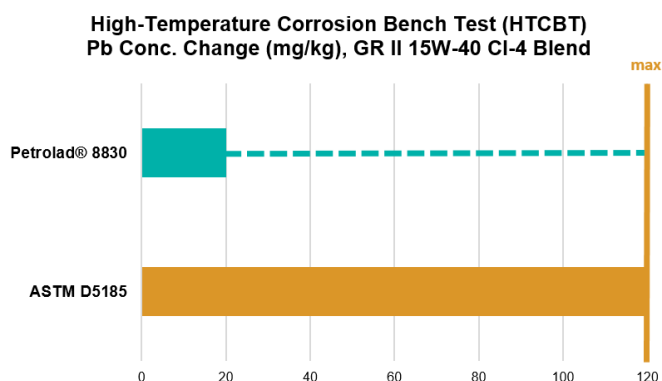
- Excellent high-temperature, high-shear (HTHS) viscosity performance of the finished engine oil blend;
- Outstanding anti-wear & anti-oxidation results, significant deposit control & minimalised foaming;
- A strong contribution to fuel economy, which is especially crucial in trucks;
- Aimed at prolonging the drain intervals of engine oils, found in out-of-warranty, heavy-duty vehicles;
- Bundle possibilities with our viscosity modifier technology Viscotech®, which targets mid-/top-tier HDDO;
- Optimised costs due to its low treat rate(s) & the simultaneous performance coverage of other light-duty API specs, which helps versatile engine oil blenders with single-sourcing.

### Performance

Dosage (% w/w)*	API Specification		
Viscosity Grade	CI-4	CH-4	CF-4
SAE 5W-30	9.6	-	-
SAE 5W-40	9.6	-	-
SAE 10W-30	9.6	8.6	6.2
SAE 10W-40	9.6	8.6	6.2
SAE 15W-40	8.8	8.0	5.8
SAE 20W-50	8.8	8.0	5.8



\*The above table shows the key performance levels. Please contact our technical service for more profiles.



Note: For both tests above, the blend based on Petrolad® 8830 also included our Viscotech® 6540L 1300 cSt OCP VM.

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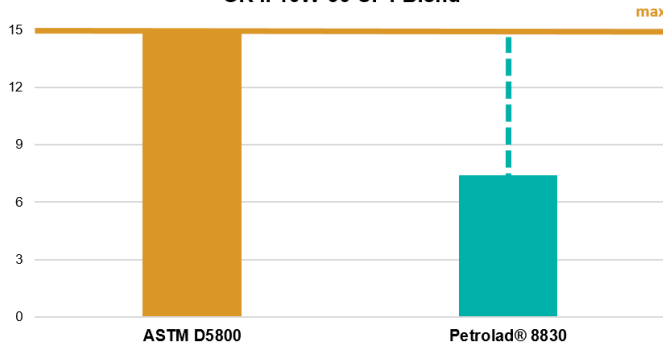
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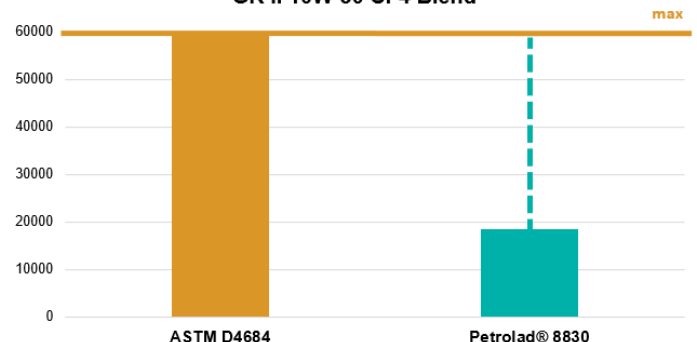


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NOACK Loss By Evaporation (%) @ 250°C,  
GR II 10W-30 CI-4 Blend



MRV Apparent Viscosity (cP) @ -30°C,  
GR II 10W-30 CI-4 Blend



Note: For both tests above, the blend based on Petrolad® 8830 also included our Viscotech® 593L styrenic VM.

## Typical Data

Parameter	Unit	Method	Typical
Appearance	-	Visual	Brown viscous liquid
Colour	-	ASTM D1500	>8
Density @ 15°C	g/cm <sup>3</sup>	ASTM D4052	1,006
Kinematic viscosity @ 100°C	cSt	ASTM D445	115,7
Total base number (TBN)	mg KOH/g	ASTM D2896	110
Flash point (PMCC)	°C	ASTM D93	179
Calcium content	% w/w	ASTM D4951	3,52
Phosphorus content	% w/w	ASTM D4951	1,21
Sulphur content	% w/w	IH TM*	3,46
Zinc content	% w/w	ASTM D4951	1,29

\*IH TM = in-house test method

## Handling & Storage

Minimum loading/unloading/pumping temperature	20 °C
Maximum loading/unloading/pumping temperature	75 °C
Maximum blending temperature	65 °C
Maximum storage temperature	75 °C
Maximum long-term* storage temperature	45 °C

\*Longer than 2 months.

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

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