



A Subsidiary of PETRONAS Chemicals Group

PRODUCT DATA SHEET

Petrolad[®] 5201

Super Tractor Oil Universal (STOU)
Additive Package

BRB Lube oil Additives & Chemicals

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Product Description

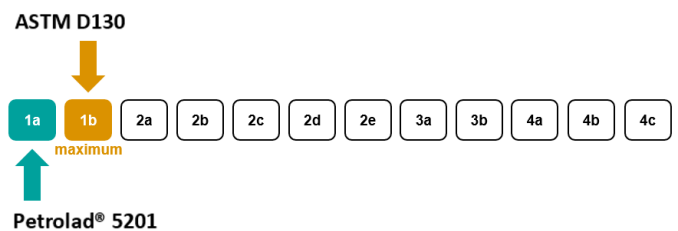


Petrolad® 5201 is a universal off-road additive package, especially designed to formulate STOU fluids for traditional tractor equipment, prevailing in many leading markets globally. It is suitable for crankcases, transmissions, power steering and hydraulic systems, amongst others. In addition, Petrolad® 5201 covers several desired UTTO (universal tractor transmission oil) specifications, making this a flexible offering, ideal for blenders seeking economic sourcing.

Benefits

- Boosted soot control for a reduced viscosity increase;
- Superior anti-wear results, leading to limited pitting & scoring in final drives;
- Excellent friction performance in transmission clutches;
- Desirable 10W-30 & 15W-40 stats in GR I STOU formulations.

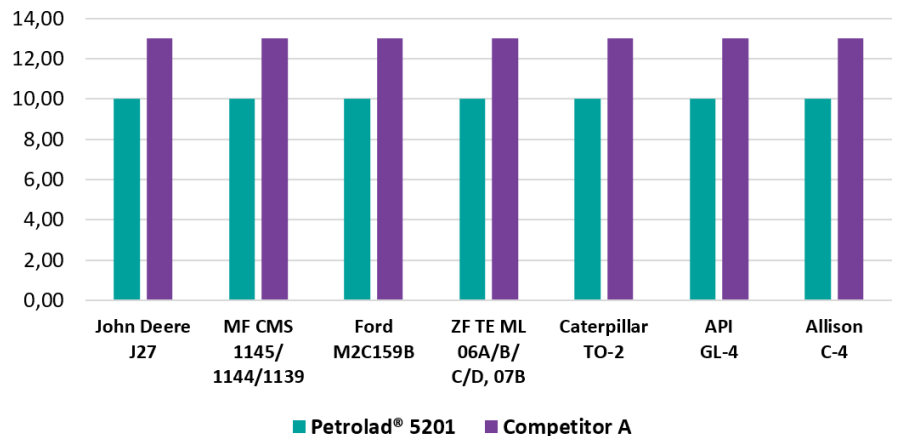
Copper Strip Test 3 h @ 150 °C, 10W-30 & 15W-40 GR I Formulations



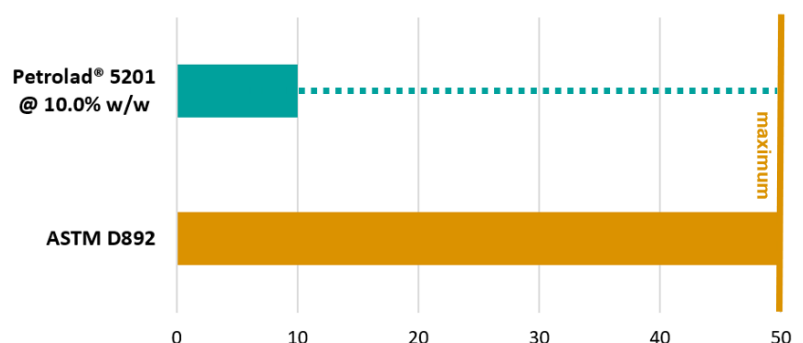
Performance

STOU Specification	Dosage (% w/w)
John Deere J27	10,0
Massey Ferguson CMS 1145 / 1144 / 1139	10,0
Ford M2C159B	10,0
ZF TE ML 06A / B / C / D, 07B	10,0
UTTO Specification	Dosage (% w/w)
Caterpillar TO-2	10,0
API GL-4	10,0
Allison C-4	10,0
Massey Ferguson CMS 1145	10,0
Engine Oil Specification	Dosage (% w/w)
MIL-L-2104D	10,0
API CE / CF / CF-4 / CG-4 / SF	10,0
MB 227.1 / 228.1 / 228.3	10,0
MAN 271	10,0

Specification Performance Superiority (% w/w)



Foaming Volume (ml) @ End of 5-Minute Blowing Period ASTM D892 Foaming Tendency Sequence II @ 93 °C 10W-30 & 15W-40 GR I Formulations



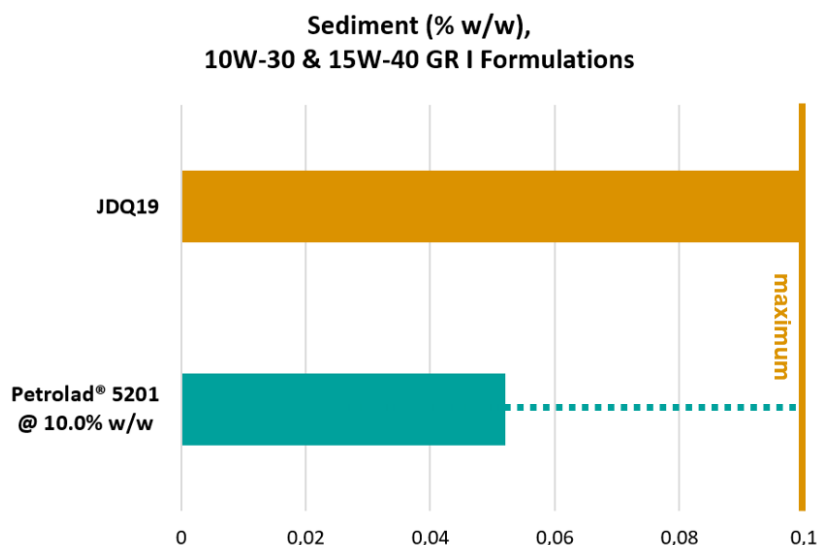
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Typical Data

Parameter	Method	Unit	Typical
Density @ 15,6 °C	ASTM D4052	g/cm ³	0,999
Kinematic viscosity @ 40 °C	ASTM D445	cSt	385
Kinematic viscosity @ 100 °C	ASTM D445	cSt	31
Flashpoint (PMCC)	ASTM D93	°C	155
Total base number (TBN)	ASTM D2896	mg KOH/g	120
Zinc content	IHTM	% w/w	1,80
Calcium content	IHTM	% w/w	3,70
Phosphorus content	IHTM	% w/w	1,60

Handling & Storage

Petrolad® 5201 should be stored between 5 – 35 °C. The optimal blending- and pumping temperature is 50 °C. An MSDS is available upon request.

FOR MORE INFORMATION

Please contact

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IMPORTANT NOTICE

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