

ENVIROLOGIC® UNIVERSAL TRACTOR FLUID

Biodegradable ISO 46 Tractor Oil

ENVIROLOGIC® Universal Tractor Fluid is a biodegradable ISO 46 tractor oil for use in heavy duty brake, transmission and hydraulic systems. It is based on biobased oils and is a direct replacement for petroleum based tractor fluids of the same viscosity. It exceeds the requirements for petroleum oil based tractor fluids and has excellent anti-wear characteristics. It has reduced environmental impact in the event of a leak or spill.

Typical Properties	Method	Specification	Result
Kinematic Viscosity At 40 °C, cSt At 100 °C, cSt	ASTM D445	41.4 – 50.6 9.1 min.	47 11.2
Viscosity Index	ASTM D2270	N/A	>200
Density(60 °F), Kg/m ³	ASTM D4052	N/A	900
Brookfield Viscosity @ -35 °C, cps	ASTM D2983	70,000 max.	11,150
Pour Point, °C	ASTM D97	-36 min.	-40
Flash Point (COC), °C	ASTM D92	200 min.	220
JD Cold Flow Performance @ -35 °C	JD 73	30 max.	27.0
Copper Corrosion 3 Hrs. @ 100 °C	ASTM D130	1b min.	1a
Steel Pin Corrosion (4 hours, 100 °C) Synthetic Salt Water	ASTM D665B	Pass	Pass
Foam Properties Sequence I, II, III	ASTM D892 Tendency/Stability	Pass	Pass
Timken Wear OK Load, N.	ASTM D2733	N/A	73
Biodegradability, %	OECD 301B	>60	65
Aquatic Toxicity Daphnia, EC50 mg/L	OECD 202	>100	400
Aquatic Toxicity Bluegill, EC50 mg/L	OECD 203	>100	>10,000

Properties listed are typical values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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OEM Standard	
AGCO Powerfluid 821XL	S
API GL-4	S
Ford ESN-M2C134-D	S
Case New Holland CNH MAT3505	S
Case New Holland CNH MAT3509	S
Case New Holland CNH MAT3525	S
FNHA-2-C-200.00	S
FNHA-2-C-201.00	S
John Deere JDM J20C	M
John Deere JDM J20D	M
Massey Ferguson CMS M1135	S
Massey Ferguson CMS M1141	S
Massey Ferguson CMS M1143	A
Massey Ferguson CMS M1145	A

A - Approved

M - Meets-All required testing meets defined specification requirements

S - Suitable for Use (SFU) - Considered suitable for use based on laboratory testing, field testing and engineering judgment (where there is no regulatory prohibition)

NOTICE: While this information is presented in good faith and believed to be accurate, RSC Bio Solutions does not guarantee satisfactory results from reliance thereon. The data is offered solely for your information and RSC Bio Solutions disclaims all liability for any loss or damage from its use. Thoroughly test any application according to the product directions and independently conclude satisfactory performance. Nothing contained herein is to be construed as a recommendation to use the product in violation of any patent.

OEM Approvals

ENVIROLOGIC® ISO 46 Universal Tractor Fluid meets the requirements of major equipment manufacturers.

For more information about RSC Bio Solutions, visit us at rscbio.com or call +1 704.684.6100.



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