

READILY BIODEGRADABLE UNIVERSAL TRACTOR FLUID

Description:

EnviroLogic® 700 Universal Tractor Fluid is a readily biodegradable* ISO 46 tractor oil for use in heavy duty brake, transmission and hydraulic systems. EnviroLogic® 700 is based on natural ester technology and is a direct replacement for petroleum oil based tractor fluids of the same viscosity. EnviroLogic® 700 exceeds the requirements for petroleum oil based tractor fluids and has excellent anti-wear characteristics.

EnviroLogic® 700 is suitable for use where the following tractor specifications are required.

- Ford ESN-M2C134-D
- FHHA-2-C-201.00
- Case New Holland CNH MAT3525
- Case New Holland CNH MAT3505
- CASE MS 1209
- CASE MS 1207
- John Deere JDM J20C
- Massey Ferguson CMS M1145
- Massey Ferguson CMS 1143

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

Property	Method	Spec.	Result
Brake Noise and Capacity	Ford 6610	Pass	Pass
Power Shift Clutch Friction	JDQ 94	Pass	Pass
Brake Performance Test	JDQ 96	Pass	Pass
Brake Performance Test	Massey Ferguson	Pass	Pass
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

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9609 Jackson Street
Mentor, Ohio 44060
800-661-3558
rscbio.com

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