

Environmental Performance of Various Classes of Fluids

Type	Base Fluid	Biodegradation Time	Toxicity	Typical Performance	Seal & Hose Compatibility	Water Tolerance
<i>Triglyceride (Vegetable)</i>						
Biobased	Vegetable	Days	Low	Varies	Mixed	Medium
High Oleic	Vegetable	Days	Low	Mixed	Mixed	Medium
XBO	Modified Vegetable	Days	Low	Very Good	Excellent	Excellent
<i>Petroleum</i>						
“Environmentally Friendly”	Petroleum	Years	Low	Good	Good	Good
Petroleum	Petroleum	Years	High	Good	Excellent	Good
Inherently Biodegradable	Petroleum	Years	Varies	Good	Excellent	Good
Food Grade	Petroleum	Years	Low	Weak	Excellent	Weak
<i>Glycol (PAG)</i>						
Poly glycol	Glycol	Years	High	Weak	Very Poor	Very Weak
<i>Synthetic</i>						
Synthetic Ester	Synthetic	Days	Low	Mixed	Very Poor	Very Weak
BioPolyOlefin	Synthetic	Days	Low	Excellent	Excellent	Excellent

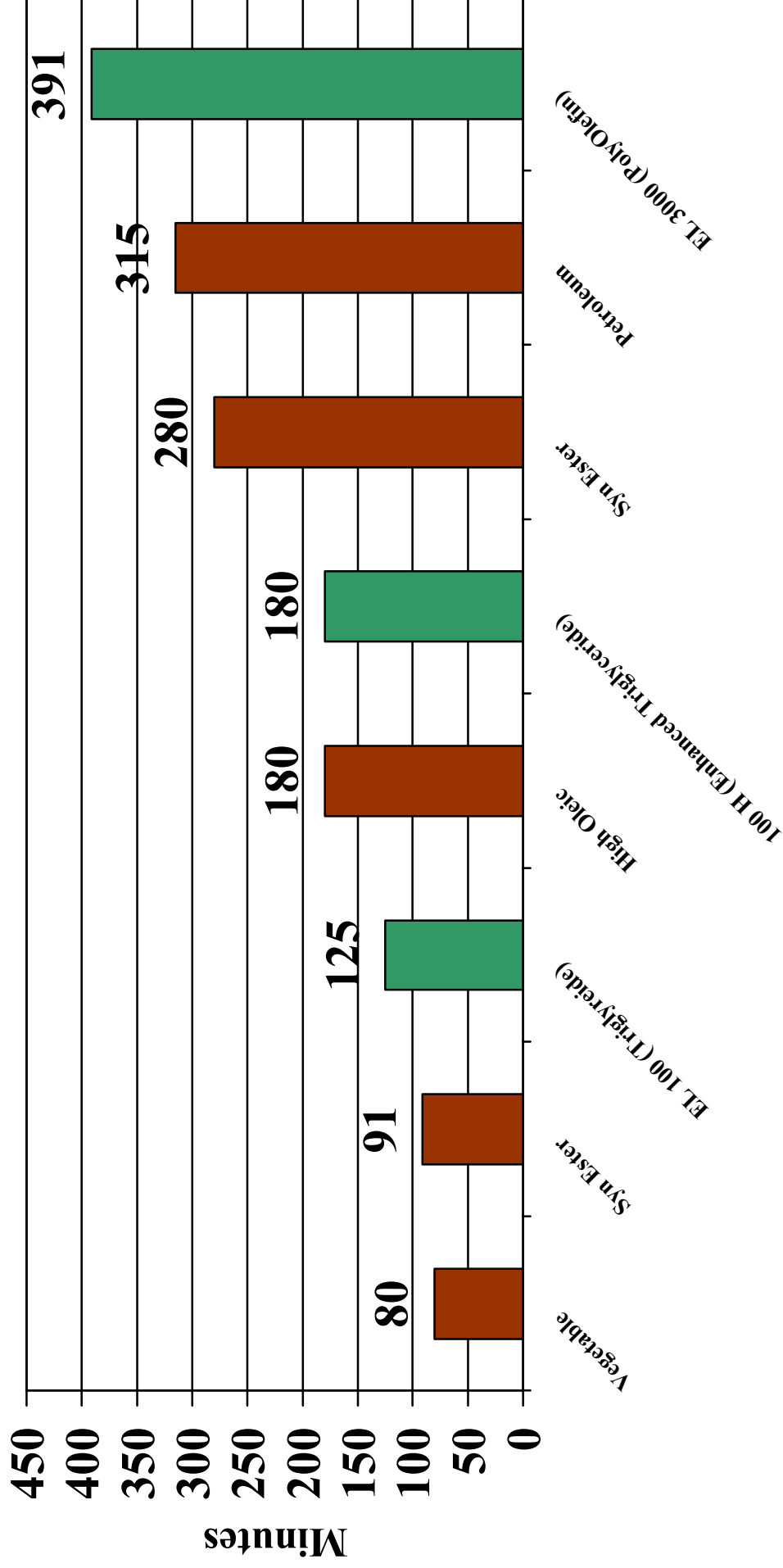
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Rotary Bomb Oxidation Test



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