PENETRATING OIL Technical Data

Specification	Lab Tested Value	Standard Testing & Explanation	
Density (kg/m ³)	883.5	(ASTM D4052) Weight/Volume	
Extreme Pressure Properties (lb-f)	>1,400	(<i>ASTM D3233</i>) Method for evaluating the load-carrying properties of lubricants.	
Flash Point (°C)	>170	(<i>ASTM D93, Procedure A</i>) Minimum temperature that Milligan's PenOil will ignite when combined with air.	
Lubricity (% improved)	29	(<i>ASTM D6079-HFRR</i>) Reduction in wear scar generated at point of contact between moving parts. See below.	
рН	7	Neutral	
Pour Point (°C)	-10	The lowest temperature that Milligan's PenOil will spray in aerosol form.	
Water & Sediment (%)	<0.005	(ASTM D2709) Maximum allowable is 0.05%.	

In-house Testing							
OFITE Lubricity EP Tester	l F T E a	Jsed to test lubricating potential of a product (in normal pressure situations) petween moving parts (ring and a block)	% reduced when compared ing petroleum- commercial titor				
Saskatchewan Research Council (SRC) Testing							
ASTM D6079 (HFRR) High Frequency Reciprocating Rig Lubricity Results	The lub Ma eff we of cor	The HFRR test determines boundary prication factors of fuels and lubricants. The second second second second second second fectiveness of diesel fuel for preventing sear under the prescribed test conditions a ball and roller and at the point of ntact of these two moving parts			28.74% decreased wear when compared to leading petro- leum-based commercial competitor		
PetroLab							
ASTM D3233 Extreme Pressure Results		Extreme pressure conditions are tested in order to simulate operating conditions (within moving part systems), that require lubrication. The higher the value of torque handled the more extreme the condition that the product can perform.		10.34% increase in capacity to withstand extreme load			

Please avoid long term contact with rubber and painted surfaces

MILLIGAN[®]BIO

CANOLA POWERED PRODUCTS AND FEED

PRODUCT FACTS

- Made from non-food grade canola
- Canola is superior to other oilseed feedstock in stability

Natural Occurring Properties

- Solvent properties
- Lubricating properties
- Enhanced oxidative stability

Enabling Properties

- Solvents enable rust removing ability
- Superior lubrication allows product to penetrate into tight spaces and
- prevent evaporation
- Oxidative stability resists and inhibits corrosion

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