



A HOLLYFRONTIER BUSINESS

TECH DATA

SEPRO™ PAPER MACHINE OILS

INTRODUCTION

Petro-Canada Lubricants SEPRO paper machine oils are high-quality, premium-performance oils specially formulated for bearings and circulating systems of industrial paper machine equipment. SEPRO XL and SEPRO PM are designed to protect equipment longer and increase uptime.

Petro-Canada Lubricants' unique chemistry starts with a blend of high quality base oils which includes 99.9% ultra pure base oils made from the HT purity process. The combination of these high-quality base oils and carefully selected additives makes SEPRO paper machine oils long-lasting, reliable and efficient.

SEPRO XL

FEATURES AND BENEFITS

Long Lasting Oil

- Resists oil degradation and protects equipment longer for increased uptime and reliability
- Extends intervals between change-outs for maximized oil life

Environmentally Sensitive

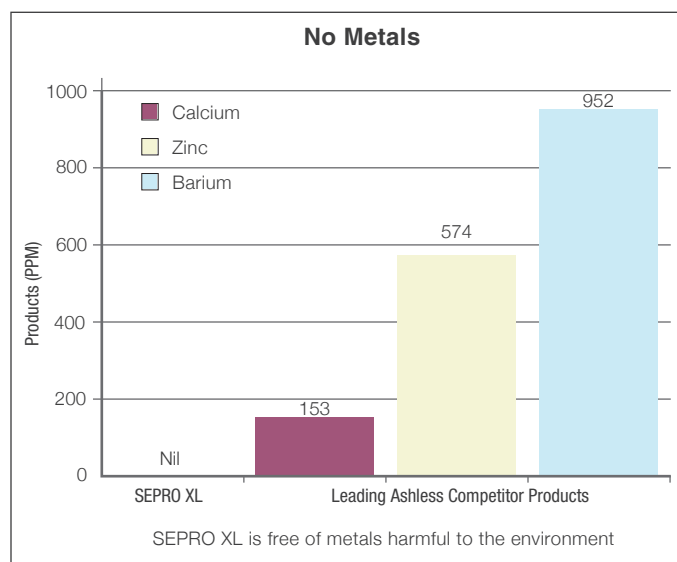
- Non-toxic to water-inhabiting species (tested according to daphnia and fish protocols)
- Ashless and free of metal-containing additives
- Recyclable

Other features include:

- Excellent water separation provides easy water removal and protection against rust and corrosion
- Excellent oxidative and thermal stability helps resist oil breakdown
- Low deposits and staining of sight glasses
- Excellent anti-wear protection reduces wear on heavily loaded components
- Low tendency to foam
- Good air release
- Filters readily at the 5 micron level

APPLICATIONS

SEPRO XL paper machine oils are designed for use in the wet and dry ends of paper machine circulating systems. These oils are the lubricants of choice where there are environmental concerns regarding plant waste water discharge quality.



Petro-Canada Lubricants starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



SEPRO PM

FEATURES AND BENEFITS

Long Oil Life

- Excellent oxidative and thermal stability leading to longer oil life and a cleaner system
- Extended drain intervals for fewer change-outs

Superior Equipment Protection

- Excellent anti-wear protection to reduce wear on loaded components
- Protects equipment longer for increased uptime and reliable operation

Other features include:

- Excellent water separation for easy water removal
- Excellent protection against rust and corrosion
- Excellent detergent-dispersant properties to help maintain system cleanliness
- Excellent resistance to foaming and excellent air release properties to provide a consistent lubrication film

APPLICATIONS

Petro-Canada Lubricants' SEPRO PM paper machine oils have been developed specially for use in wet and dry ends of paper machine circulating systems lubricating the dryer-roll bearings as well as press roll, couch roll and calendar roll bearings, felt rolls, Yankee dryers and machine drives.

SEPRO PM can be used in various circulation systems where excellent bearing lubrication is required at high temperatures.

TYPICAL PERFORMANCE DATA

Property	ASTM Test Method	SEPRO XL		SEPRO PM	
		150	220	150	220
Density @ 15°C, kg/L	ASTM D4052	0.879	0.883	0.879	0.882
Colour	ASTM D1500	<3.0	4.0	<3.0	4.5
Flash Point, COC, °C/°F	ASTM D92	279 / 534	275 / 527	269 / 516	275 / 527
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	ASTM D445	151 14.9	219 18.9	151 14.8	220 19.4
Viscosity Index	ASTM D2270	97	97	97	100
Pour Point, °C /°F	ASTM D5950	-18 / 0	-15 / 5	-27/-17	-18/0
Water Separability at 82°C, minutes	ASTM D1401	10	10	5	10
Copper Corrosion	ASTM D130	1b	1b	1a	1a
Rust Test, Procedure A & B, 24 hours	ASTM D665	Pass	Pass	Pass	Pass
Air Release @ 75°C, minutes	ASTM D3427	5	8	6	9
Four-Ball Wear Test, scar diameter, mm 40 kg, 1 hour, 75°C, 1200 rpm	ASTM D4172	0.48	0.44	0.44	0.43
FZG Failure Load Stage	ASTM D5182	11	11	12	12

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: lubricants.petro-canada.com

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Committed to the disciplined operation of our business.



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IM-7895E (2020.12)