

TECH DATA

ACCUFLO™ TK

PREMIUM MACHINE TOOL LUBRICANTS

INTRODUCTION

Petro-Canada Lubricants ACCUFLO™ TK 68 and 220 oils are specially formulated to lubricate the slideways of machine tools and maintain smooth, uninterrupted operation. Formulated with ultra-pure, high quality base oils and specially selected additives, ACCUFLO TK lubricants resist removal by coolants and soluble cutting oils. As a result, lubricant consumption and tramp oil production are both reduced compared to products with lower tackiness and poorer demulsibility characteristics.

FEATURES AND BENEFITS

Promotes smoother operations and higher quality production

- Enables smooth motion, reduces friction and lowers mechanical drive power
- Improves workpiece finish and accuracy through reduced stick-slip chatter

Reduces operating costs

- Outstanding tackiness reduces wash-off by coolants and promotes excellent adhesion to metal surface
- Superior resistance to emulsification with coolants
- Extends useful life of coolants
- Reduces tramp oil production

Improves equipment durability and reliability

- Minimizes wear caused by metal-to-metal contact
- Excellent extreme pressure properties prevent welding and subsequent scoring of sliding surfaces under high or shock loading
- Protects ferrous metal components from rusting
- Non-corrosive to copper components
- EP additives provide improved protection of heavily loaded ways

APPLICATIONS

ACCUFLO TK 68 and 220 are premium performance ISO 6743 L-G type fluids which meet the requirements for slides and ways on all modern machine tools.

ACCUFLO TK 68 is recommended for horizontal slides and moderately loaded machine tools. It is GM LS2 approved and is approved against Fives-Cincinnati Machine specification P-47. ACCUFLO TK 68 is approved for use in Bijur systems as it has passed Bijur's filtration test #2107.

ACCUFLO TK 220 is recommended for vertical slides and heavy-duty machine tools such as planers and boring mills. It is GM LS2 approved and is approved against Fives-Cincinnati Machine specification P-50.

	ACCUFLO TK 68	ACCUFLO TK 220
GM LS2	✓	✓
Cincinnati Machine	P-47	P-50

These products may be applied by a wide variety of methods ranging from swabbing by hand to automatic lubricators. Products should be stored in closed containers to prevent contamination by water and other foreign matter.

TYPICAL PERFORMANCE DATA

Property	Test Method	ACCUFLO TK	
		68	220
Viscosity, cSt @ 40°C cSt @ 100°C SUS @ 100°F SUS @ 210°F	D445	71.2 9.9 366.3 59.9	216.9 21.4 1134.6 107.3
Viscosity Index	D2270	122	118
Pour Point, °C / °F	D5950	-33 / -27	-24 / -11
Copper Corrosion	D130	1b	1b
Rust, Procedure A, 24 hrs Rust, Procedure B, 24 hrs	D665	Pass Pass	Pass Pass
Four-ball Weld Load, kg (lb)	D2783	200 (441)	250 (551)
Load-wear Index	D2783	31	41
Stick-Slip Number	D2877	0.76	0.80
Water Separability @ 54°C / 129°F Oil-Water-Emulsion, (Minutes)	D1401	40-40-0 (5)	–
Water Separability @ 82°C / 180°F Oil-Water-Emulsion, (Minutes)	D1401	–	40-40-0 (5)

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

Learn more about us: lubricants.petro-canada.com
Contact us: lubecsr@hfsinclair.com

Committed to the disciplined operation of our business.



Petro-Canada Lubricants Inc.
2310 Lakeshore Road W. Mississauga, Ontario, Canada L5J 1K2
lubricants.petro-canada.com

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