PETROCHEM, INC.
SPECIALTY LUBRICANTS

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TECHNICAL DATA SHEET

PETRO-GARD® 700 SERIES
SYNTHETIC (H-2) PROOFER GEAR LUBRICANTS

Applications:

PETRO-GARD® 700 Series have been formulated from PAO synthetic fluids for enclosed gear systems requiring ashless antioxidants, antiwear and mild EP additive systems. These oils have been designed to provide satisfactory lubrication under hydrodynamic and mild boundary lubrication conditions. They are recommended for gear systems where moderate loads and high temperatures are expected, including worm gears containing soft metals such as bronze, brass and copper.

PETRO-GARD® 700 Series oils are also used as multipurpose oils in such applications as proofer box gears, vacuum pumps, compressors and hydraulic fluids. They are similar to petroleum oils in their compatibility to seals, hoses, gaskets and paint. Approvals include: Cincinnati Milacron, David Brown, and US Steel 224. PETRO-GARD® 700 series also meets the requirements of Flender's Micro Pitting.

Characteristics:

- 100% Synthetic Lubricants
- Wide Temperature Range
- Low Pour Points
- High Flash Points
- Increased Thermal & Oxidative Stability

Typical Properties		ASTM Test Method	724	725	726	727	729	730	732	734	736	739
ISO Viscosity Grade		D2422	32	46	68	100	150	220	320	460	680	1000
Viscosity, cSt.	40°C	D445	32.9	47	67	104	163	222	312	469	671	943
	100°C		6.2	7.9	10.2	13.4	17.9	22.2	28.5	38.5	48.4	62.2
Viscosity Index		D2270	140	141	135	154	149	149	153	150	151	172
Pour Point	°C	D97	-48	-48	-48	-45	-45	-35	-33	-27	-25	-23
	°F		-55	-55	-55	-49	-49	-31	-27	-17	-13	-9
Flash Point	°C	D92	240	240	238	260	260	262	270	270	270	270
	°F		464	464	460	500	500	504	518	518	518	518
Evaporation	210°F	D972	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Copper Corr.	212°F	D130	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B
Rust		D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG			10	12	12	12	12	12	12	12	12	12