

TECHNICAL DATA

PHYSICAL CHARACTERISTICS - TYPICAL:

	4010	4020	4030	4040	4046	4059
ISO Grade	46	68	100	150	46	100
Equivalent SAE Grade	10	20	30	40	10	30
Gravity, °API	27.1	26.7	26.2	26.3	38.0	25.9
Viscosity						
SUS @ 100°F	224	349.4	532	702.3	235.5	526.2
SUS @ 210°F	44.97	50.77	58.07	74.86	51.76	58.69
cSt @ 40°C	43.15	66.88	101	151.6	46.23	100.1
cSt @ 100°C	5.66	7.40	9.5	14.22	7.73	9.67
Flash Point, °F (°C)	370 (188)	390 (198)	410 (210)	428 (220)	530 (276)	400 (204)
Pour Point, °F (°C)	-33 (-36)	-27 (-33)	-22 (-30)	-22 (-30)	-65 (-54)	-17 (-27)

PERFORMANCE TEST REQUIREMENTS

Four Ball Wear, ASTM D4172, 40 Kg, Scar Dia., mm	0.39	0.39	0.39	0.39	0.39	---
Rust Test, ASTM D655	Pass	Pass	Pass	Pass	Pass	Pass
Falex EP, ASTM D3233, lbs. force	1500	1500	1500	1500	---	---
Copper Strip Corrosion, ASTM D130	1b	1b	1b	1b	1b	---
Foam Test, ASTM D892	10/0;0/0;20/0	10/0;0/0;20/0	0/0;0/0;0/0	0/0;0/0;0/0	30/0;10/0;40/0	---
Oxidation Resistance, RPVOT ASTM D2272, minutes	800	800	800	800	1000	---

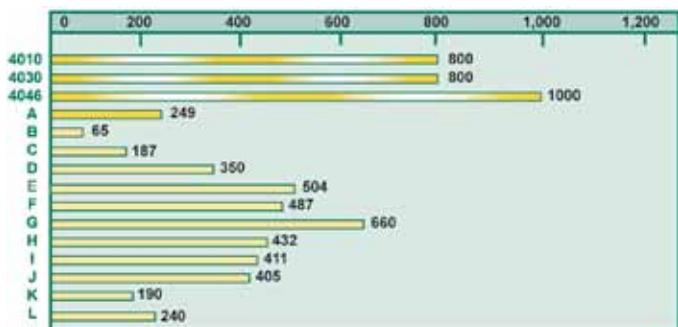
MEETS PERFORMANCE REQUIREMENTS OF:

USDA H1
NSF H1 Registered
Kosher Pareve/Passover

Angelus Sanitary Can Machine (except 4010)
Ex-cell-o Corp - Pure- Pack Machine (4030)
Hydreco (4010)

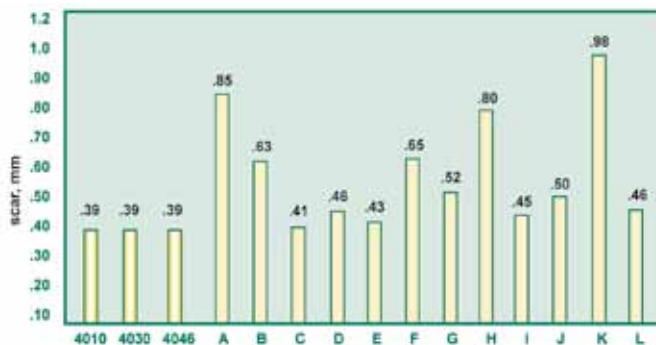
ROTARY BOMB OXIDATION TEST ASTM D2272 (RBOT)

OXIDATION INDUCTION TIME (MINUTES)



The RBOT ASTM D2272 Test illustrates the superior oxidation resistance of QUINPLEX® as compared to the various other compressor and industrial oils. In this test a sample of the oil is placed in a sealed container with water and a copper catalyst. It is pressurized with 90 psi of oxygen and heated to 150°C (302°F). The time is measured to a 25 psi drop in pressure. This signifies a significant reaction has occurred between the lubricant and the oxygen - oxidation. **QUINPLEX OILS HAVE LONGER OXIDATION LIFE LEVELS THAN ANY OF THE OTHER OILS TESTED - PETROLEUM OR SYNTHETIC!**

FOUR BALL WEAR TEST ASTM D4172



The four ball wear test is used to determine the relative wear preventative properties of lubricating fluids. Lubricants are compared based on the average size of the scar diameters worn in the three lower balls after rotation of the upper fourth ball in the test procedure. A smaller wear scar size indicates the lubricant is providing better wear protection. **QUINPLEX OILS HAVE THE SMALLEST SCAR AND BEST WEAR PROTECTION OF ALL OILS TESTED!**

LUBRICATION
ENGINEERS, Inc.

Leaders in Lubricants

