

CITGO PACEMAKER® OILS

Date 04/18



- DESCRIPTION:** CITGO Pacemaker Oils are rust and oxidation (R&O) inhibited general purpose lubricants. They are manufactured with high viscosity index base stocks, contain anti-foam additives, and readily separate from water.
- QUALITIES:** These oils are made from high quality, paraffinic base stocks. Their high viscosity index imparts superior temperature-viscosity characteristics. Long service life in closed circulating systems is assured by low carbon-forming tendency and excellent resistance to oxidation, rusting and foaming.
- APPLICATIONS:** Appropriate viscosity grade Pacemaker Oils can be used as:
- Air line oil
 - Circulating oil
 - Gear oil
 - Compressor oil
 - Rust/oxidation inhibited (R&O) oil
 - Low pressure hydraulic oil
 - “Non-detergent” oil

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		CITGO PACEMAKER® OILS								
Grade	Material Code	19	32	46	68	100	150	220	320	460
	Gravity, ASTM D4052, °API	34.3	32.6	31.5	31.0	30.3	29.5	28.2	27.0	26.5
	Pounds Per Gallon	7.11	7.18	7.23	7.26	7.28	7.32	7.37	7.43	7.46
	Flash Point, ASTM D92, °F (°C)	395 (202)	395 (202)	395 (202)	442 (228)	442 (228)	442 (228)	442 (228)	442 (228)	579 (304)
	Viscosity ASTM D445 cSt at 40°C	22	32	45	68	100	150	220	320	456
	cSt at 100°C	4.55	5.2	6.7	8.3	10.5	16.5	18.2	23.6	30.1
	Viscosity Index ASTM D2270	102	110	103	104	102	98	98	96	95
	Pour Point ASTM D97 °F (°C)	-22 (-30)	-33 (-36)	-22 (-30)	-27 (-33)	-22 (-30)	0 (-18)	0 (-18)	0 (-18)	10 (-12)
	Color, ASTM D1500	L0.5	L0.5	L0.5	L0.5	L1.0	L5.0	L5.0	L5.5	L5.5
	Neutralization No. ASTM D974	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Rust Test ASTM D665	Pass(1)	Pass(1)	Pass(1)	Pass(1)	Pass(1)	Pass(2)	Pass(2)	Pass(2)	Pass(2)
	Cincinnati Lamb Requirement	P-45	P-38	P-55	P-54	-	P-57	-	-	-
	ISO VG No.	22	32	46	68	100	150	220	320	460
	AGMA Grade	-	-	1	2	3	4	5	6	7

Notes: (1) Procedure A (distilled water) and Procedure B (synthetic sea water) - 24 hrs
 (2) Procedure A (distilled water)

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