

FLOW SYN CP - Series

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DESCRIPTION:

100% synthetic lubricant made from Polyalphaolefin (PAO) oil - ester and ashless additives, especially for the lubrication of air compressors, vacuum pumps, hydraulic systems and general lubrication where oils with these viscosity grades are required.

PROPERTIES & ADVANTAGES:

- ✓ Excellent resistance to oxidation (overpasses the Pneuop Oxidation Test) and very high thermal and chemical stability.
- ✓ With a very low tendency to the formation of sludge, lacquers, deposits and carbonaceous residues, it minimizes the formation of residues in valves and pistons, avoiding the risk of explosions and fires.
- ✓ Its high flash point and low volatility provide greater safety and reduce product consumption.
- ✓ It allows very long change intervals of (up to 8,000h or more in screw compressors), reducing product and maintenance costs.
- ✓ Wide range of working temperatures.
- ✓ Low coefficient of friction and greater wear protection, which together with better thermal conductivity and heat evacuation capacity generates lower working temperatures compared to conventional mineral oils.
- ✓ High anti-rust and anticorrosive power, minimal foam formation and excellent demulsification capacity.
- ✓ Compatible with commonly used gaskets and seals, as well as mineral oils and other compatible synthetics.

APPLICATIONS:

- ✓ Lubrication of all types of air compressors: rotary (vanes, centrifugal or screw) and alternative (piston, mono or multistage), either static or portable, operating at compression / discharge temperatures of up to 220 °C and pressures above 10 bars.
- ✓ The ISO VG viscosities 32, 46 and 68 are those commonly used in rotary compressors (46 in Screw).
- ✓ The ISO VG viscosities 100 and 150 (SAE 30 and 40) are those commonly used in reciprocating compressors.
- ✓ Exceptional filterability, its zinc-free additive package allows it to be used in hydraulic systems where ash-free fluids are required, avoiding the formation of sludge in very low-micron filters as well as the formation of lacquers in servo valves and actuators, being valid for greasing reducers under normal load conditions.

SPECIFICATIONS / QUALITY LEVEL:

Quality level according to the ISO 6743-11 PBD standard.

<u>COMPRESSORS</u>	<u>HYDRAULIC SYSTEMS</u>
DIN 51506: VCL and VDL	DIN 51524 Part 2 (HLP)
ISO 6521-1: DAC and DAJ ISO 6743/3: DAC and DAJ	ISO 11158 (HM) ISO 6743/4 (HM)

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TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE				
		32	46	68	100	150
ISO Grade	ISO 3448	32	46	68	100	150
Viscosity at 40 °C (cSt)	ASTM D-445	29 - 35	42-50	62-74	90-110	135-165
Viscosity at 100 °C (cSt)	ASTM D-445	5.5-6.5	7.5-8.5	9.5-11	13-15	17-20
Viscosity index, Min	ASTM D-2270	120	120	120	120	120
Density at 15 °C, Typical (kg/l)	ASTM D-1298	0.835	0.835	0.840	0.845	0.845
Pour point (°C), Max	ASTM D-97	-60	-50	-50	-40	-40
Flash point COC (°C)	ASTM D-92	>200	>220	> 230	>230	>240
Sulfated ashes (% weight)	ASTM D-874	<0.01	<0.01	<0.01	<0.01	<0.01
Foam Test, Seq. I / II / III, Max (ml)	ASTM D-892	50	50	50	50	<50
Copper corrosion (3h, 100 °C), Grade	ASTM D-130	1a	1a	1a	1a	1a

"These data represent mean values after different tests. Given the wide variety of operating conditions, they do not represent a basis for specification setting."

HOW TO USE:

Remove traces of previous lubricants before applying any FLOW SYN CP series oil. Oil compatible with PAO / Ester / Mineral bases. Applicable with immersion, circulation, injection, drip, brush-paintbrush, manual oiler systems, etc.

Store in a closed place. Do not expose to sunlight.

In case of doubt, consult our technical department.

PACKAGING:

20L jerrycan and 200L drum.