CARIMA S.r.l. – C.F. e P. IVA 06727370154
Via dei Brughi, 30/31 – 20060 Gessate (MI) - Italy
Tel. e fax +39 02 9538.4225 - fax +39 02 7005.8164 - cell uff +39 348 6003.588
www.carima.biz info@carima.biz

Pneumatic Oil J32

PROPERTIES AND BENEFITS

Medium-high viscosity mineral oil for hydraulic systems and for general lubrication of many industrial machinery components.
It contains anti-wear, anti-oxidant, anti-rust and anti-foam additives.
It allows:
• to protect the metal parts against rust,
• to protect against wear,
• to allow immediate starts even at low temperatures,
• to ensure adequate lubrication at hot temperatures,
• to ensure the appropriate temperature viscosity, thanks to the high I.V. about 100,
• to prevent corrosion of steel, copper and its alloys,
• to maintain the necessary elasticity of the elastomers for a long time.

PNEUMATIC OIL J32 is expressly formulated for use in hydraulic controls and hydrostatic transmissions, in particular when pressures are high, i.e. on average higher than 70 bar, or the pump operates over 90% of its nominal pressure.
Its use it is essential with vane pumps in order to reduce wear resulting from the sliding of the blades on the ring. Formulated with paraffinic bases refined with solvent and suitably additivated, it has a marked qualitative superiority as regards:
• filterability and hydrolysis stability,
• resistance to alteration which results in a long service life of the fluid,
• corrosion protection which ensures long-lasting preservation of the components of the hydraulic circuit,
• high viscosity index which leads to a limited variation of the viscosity with the temperature, maintaining the ideal viscosity, ease of starting, resulting in energy savings,
• anti-wear power which allows a long life of the pump,
• tendency for rapid separation of the incorporated air and resistance to foam formation from which derive an inelastic and silent operation of the hydraulic control, a prompt response to the various sequences and the prevention of the Lorenz effect.
• aptitude for immediate separation from the water which allows the settling of the latter, in cases of accidental contamination or condensation of atmospheric humidity, as can mainly occur in machinery installed outdoors or in earth removal machines,
• compatibility with the seals which contributes to the elimination of repairs and the risks associated with their swelling or damage,
• low pour point that makes it possible to operate even with low ambient temperatures.

CARIMA S.r.l. – C.F. e P. IVA 06727370154
Via dei Brughi, 30/31 – 20060 Gessate (MI) - Italy
Tel. e fax +39 02 9538.4225 - fax +39 02 7005.8164 - cell uff +39 348 6003.588
www.carima.biz info@carima.biz

APPLICATIONS

The many widely passed PNEUMATIC OIL J32 tests represent a guarantee to meet the lubrication needs in a wide spectrum of applications:
• hydraulic systems, in all the various sectors and applications
• hydrostatic transmissions, hydraulic joints
• screw air compressors
• reducers, multipliers, variators, rolling bearings.

STORAGE AND SECURITY

Store the product indoors. If this is not possible, keep the drums in a horizontal position in order to avoid any water infiltrations and the disappearance of the writing on the packaging.
Avoid keeping the product in places exposed to the sun's heat or near heat sources and open flames.

DETAILS

It is classified according to the standard ISO STANDARD 6743/0:
• ISO VG 32, 46, 68: HM

Exceeds the following specifications:
• PARKER HANNIFIN FRANCE HF-0 (Hybrid T6H20C Pump Test)
• CINCINNATI MILACRON P-68 (ISO VG 32) P-69 (ISO VG 68), P-70 (ISO VG 46)
• DIN 51524 Part 2 HLP
• EATON VICKERS M-2950-S
• EATON VICKERS I-286-S
• EN – ISO 6743-4 HLP

INDICATIVE AVERAGE CHARACTERISTICS

Pneumatic Oil J32			**32**	**46**	**68**
Density at 15 ° C	Kg/m3	ASTM D 1298	0,860	0,860	0,860
Viscosity at 40 ° C	cSt	ASTM D 445	32	46	68
Viscosity at 100 ° C	cSt	ASTM D 445	5,5	6,9	8,9
Pour point	°C	ASTM D 97	-30	-27	-24
Flash point	°C	ASTM D 92	210	230	240
Viscosity index		ASTM D 2270	106	100	98

The above data are typical data obtained with normal production tolerances and do not constitute specification.

PACKAGING: bottle of 250 ml, 500 ml, 1 lt,
Tank of 5lt 20 lt