

## Product Information

# LIQUIMATIC 1, 2, 3, 4, 5, 6, 7 and 8

## Description

A range of high quality mineral oil based hydraulic oils, incorporating ashless additive technology and available in a variety of viscosity grades. They are rust and oxidation inhibited and will provide protection against corrosion even in the presence of seawater. Excellent anti-wear and EP properties provide protection against wear in the most demanding of systems. They also contain an effective anti-foam additive to facilitate the rapid release of air and reduce sponginess in system operation. These hydraulic oils meet the stringent filterability requirements of modern hydraulic machines and robotics.

## Main Features

1. Rapid air release
2. Zinc Free, ashless additive
3. Long oil life
4. Excellent filterability
5. Compatible with all Bronze, Silver and Steel system parts
6. Latest anti-wear and EP technology
7. Good thermal stability

## Applications

Recommended for both Industrial and off highway hydraulic systems. Other applications include: machining centre headstocks, centralised lubrication systems, hydrostatic drives, power steering, compressors, suspension units, tipping gear, airline lubricators, jacks, PTOs.

## Performance Levels

DIN 51524 Parts I and II	Cincinnati Milacron P-68, P-69, P-70
AFNOR NFE 48-603 Parts I and II *	General Motors LS-02 *
Vickers Eaton I-286-S, M-2950-S	Bosch Rexroth (formerly Mannesman Rexroth) RE 90220 *
Denison HF-0*, HF-1, HF-2	German Steel Industry SEB 181222 *
US Steel No.s 126, 127, 136 *	SAE MS1004 *

Note. Specifications marked with an asterisk do not apply to ISO VG 10, 15, 22, 100, 150 grades.

## Physical Characteristics

Grade	1	2	3	4	5	6	7	8
ISO VG	10	15	22	32	46	68	100	150
Density	0.845	0.860	0.871	0.873	0.874	0.880	0.885	0.890
Flash Point (Open) °C	190	190	220	220	240	240	250	255
Viscosity cSt at 100 °C	2.6	3.3	4.2	5.4	6.7	8.9	11.1	14.1
Viscosity cSt at 40 °C	9.7	14.5	21.9	31.9	44.1	68.5	99.4	143.1
Viscosity Index	95	95	95	105	100	100	95	95
Pour Point °C	-40	-40	-30	-35	-35	-30	-30	-30
Rust Test (D-665) A and B	← No Rust →							
Foaming Test	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG Gear Test, pass load (stage)	--	--	--	12	12	12	12	12
Vickers Pump Wear, (wt loss mgs)	--	--	<100	<50	<50	<50	<50	<50

