



## Hydromax CWH 46

### Special hydraulic fluid for carwash stations

#### Description

Hydromax CWH is a hydraulic oil specially formulated for the lubrication of hydraulic systems used in modern carwash stations and replaces conventional mineral hydraulic oils. In the event of leakage and spillage of oil from hydraulic installations, Hydromax CWH will contribute to easy clean-up operations that prevents from downtime and traces of oil on floors, cleaning installations and cars.

#### Benefits

- Easy detection of leakage (bright pink color)
- Hydromax CWH dissolves in water and therefore cleaning up is easy
- No contamination of mineral hydraulic oil in the water recycling system
- Non-toxic and biodegradable
- Excellent mechanical properties, protects the hydraulic pump against wear
- Highly anti-corrosive thanks to the high alkaline reserve
- Prevents the formation of oxidation
- Very shear stable
- Very high viscosity index: minimum viscosity – temperature changes
- Compatible with normally used joints
- Low foaming tendency

#### Applications

All hydraulic systems used in car wash equipment, where there is a risk of oil leaking on the washing textile.

#### Use conditions

- Maximum working temperature of 65 °C
- Do not mix with different products. Prevent the contamination with foreign material because it can reduce the economic and technical lifetime

#### Changing procedure

When changing from a mineral hydraulic oil take the following procedure into consideration:

- Completely drain the system, preferably when warm, ensure that low points are disconnected
- Use a lint free cloth, wipe all oil wetted open surfaces such as reservoirs.
- Replace filter elements
- Fill with Hydromax CWH 46 and flush through at low pressure for a minimum of 30 minutes, the fluid can be left in the system for max 3 days to let the mineral oil come to the surface (which allows removal)
- Remove the flushing fill of Hydromax CWH 46 and fill with new Hydromax CWH 46. The Hydromax CWH 46 can be reused for other flushing exercises

#### Compatibility

Hydromax CWH should be used with synthetic joint rubbers as buna, teflon, neoprene and silicones. Natural rubbers and polyurethane are not advisable.



## Typical performance data

	Test method	Hydromax CWH 46
Appearance		Bright Pink
Density @ 20 °C, gr/ml		1,08
Viscosity, cSt		
• @ 20 °C		104
• @ 40 °C		42-46
• @ 50 °C		32
Viscosity Index		> 180
Pour point, °C		> -38
Flash point, °C		None
Vickers V-104 C vane pump test, 105 bar, 1450 rpm, 250 hrs		Total weight loss vanes: 82 grams Total weight loss ring: 13 grams
4-ball wear test, 40 kg, 1200 g/1' 75°C 1h	ASTM 2266	0.75
pH		8,8
Water content, % max		40
Corrosion test	ASTM D665	passes
Foaming test @ 24 °C, max, cc	ASTM D892	50/0
Reserve alkalinity, 0,1 CLH		23
Compatibility, metals		Steel, Copper, Brass, Aluminum
Compatibility, elastomers		Butyl, Nitrile, Neoprene, Silicone, Viton, EPDM, SBR, NBR