

Technical Information:

Date: Aug 13th 2004
Subject: Pump Lubricants / Hydraulic Fluid
Product: Motor Driven Pumps
Category: Oil / Fluid
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The motor driven pumps which have a gear case require a gear oil for lubrication, some of our motor driven pumps which have a Hydraulically Actuated liquid End also need a hydraulic fluid. The following guide gives an overview of what is required.

Gear Oil / Hydraulic Fluid should be replaced every 5000 operating hours

Sigma 1

Permanently lubricated bearings - no service required.

Sigma 2

Gear Oil ISO Class VG 460 e.g. Mobil Gear 634

Part # 555325

This pump requires approx 0.5 litres

Sigma 3

Gear Oil ISO Class VG 460 e.g. Mobil Gear 634

Part # 555325

This pump requires approx. 0.9 litres

Vario

All versions VAMa, VAMb, VAMc

Permanently Lubricated Bearings – no service required

Hydro 2

Standard Oil - Serves as Gear Oil and Hydraulic Fluid

Gear Oil Mobilube 1 SHC 75W – 90

Part # 1005823

Single Head Requires approx. 2.5 litres

Dual Head Requires approx. 2.9 litres

Hydro 3

Gear Oil Mobilube 1 SHC 75W – 90 Serves as Gear Oil and Hydraulic Fluid

Part # 1005823

Single Head Requires 3.5 litres

Dual Head Requires 4.0 litres

Meta

Meta HM and HK versions.

Gear Oil ISO Class VG 460 e.g. Mobil Gear 634

Part # 555325

This pump requires approx 0.5 litres

Makro TZ HM

Gear Oil Mobilgear 634 VG 460

Part # 1004542

Required 3.5 litres

Makro TZ HK

Mobilgear 634 VG 460

Part # 1004542

Required 3.5 litres

Makro TZ HMH

Gear Oil Mobilgear 634 VG 460

Part # 1004542

Required 3.5 litres

Hydraulic Oil Mobiloil DTE 11

Part # 555332

Requires approx. 0.65 litres

Makro V HM

Mobilgear 634 VG 460

Part # 1004542

Requires 16.5 litres

Makro V HK

Mobilgear 634 VG 460

Part # 1004542

Requires 16.5 litres

Makro V HMH

Gear Oil Mobilgear 634 VG 460

Part # 1004542

Requires 16.5 litres

Hydraulic Oil

Mobiloil DTE 11

Type 60 – 85 approx. 0.65 litres

Type 100 130 approx. 1.4 litres

Part # 555332