REINTJES
POWERTRAIN SOLUTIONS

1   Lubrication chart

Edition: 2025-06, replaces edition 2025-05

Marine gearboxes without built-in disc clutch	
Lubricant type	Requirements
• Marine diesel engine oil • Gear oil	• SAE 30 (ISO VG 100) • FZG: SKS ≥ 12 acc. to DIN ISO 14635-1 (A/8,3/90) • CLP oils acc. to DIN 51517-3

Castrol	Texaco / Chevron / Caltex	ExxonMobil	Shell
• Alphasyn HG 100[a][b] • Castrol CDX 30 • Castrol MHP 153 • Castrol Alpha SP 100[a] • Hyspin AWH-M 100 • Castrol TLX PLUS 203 • Castrol TLX PLUS 303	• Delo 1000 Marine 30 • Taro 20 DP 30 / 30X • Taro 30 DP 30 / 30X • Meropa 100 • Meropa MG 100[a] • Meropa XL 100[a] • Meropa Elite Syn XM 100[a] • Clarity Synthetic EA Gear Oil 100[c] • Ursa LA-3 • Rando HD 100	• Mobil Delvac Legend 1330 • Mobil SHC 627[b] • Mobil DTE 10 Excel 100 • Mobilgear 600 XP 100[a] • Mobilgard ADL 30	• Shell Gadinia AL 30[a] • Shell Gadinia S3 30[a] • Shell Rimula R3+ 30 • Shell Omala S2 GX 100[a]
FUCHS	TotalEnergies Lubmarine	PETRONAS	Gulf Marine
• Titan Universal HD 30[a] • Titan Universal XT 30 • Renolin CLP 100[a] • Plantogear 100 S[a][c]	• Caprano Special Plus 30 • Carter EP 100[a] • Caprano MT 30 • Epona Z 100[a] • Rubia MT 30 • Disola MT 30	• Gear MEP 100	• GulfSea Gear 100

a. Oil with greystaining test result "high"

b. Synthetic oil (PAO only)

c. Biologically degradable oils (EAL)

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KLÜBER LUBRICATION	ADDINOL THE ART OF OIL·SINCE 1936	REPSOL	Schaeffer's SPECIALIZED LUBRICANTS SINCE 1839
• Klüberoil GEM 1-100 N[a] • Klüberoil MEG 1-100 US • Klübersynth GEM 4-100 N[a][b] • Klüberbio EG2-100[a][c]	• Multi Fluid SAE 30 • Eco Gear 100 M[a] • Eco Gear GLS 100[a]	• Mariner Marine 3 SAE 30 • Maker Super Tauro 100 • Maker Super Tauro Sintético 100[a][b]	• 112M Marine HTC 100
V·STREAM LUBRICANTS • VROOAM RR Gearbox 100			

a. Oil with greystaining test result "high"

b. Synthetic oil (PAO only)

c. Biologically degradable oils (EAL)

Observe when selecting oil for use in REINTJES gearboxes:

- If the oil temperature is lower than
  + 10 °C / 50 °F (SAE 30)
  + 15 °C / 59 °F (SAE 40)
  a sump heating installation is required (special equipment must be fitted to the gearbox).
- Lubricants approved by REINTJES meet all operational requirements and need no further additives. Further additives may even be harmful.
- Observe the manufacturer's safety data sheet for safely handling the lubricant.

Observe when changing oil:

- Observe the oil change intervals and oil analysis intervals specified in the operating manual.
- Replace filter elements when changing oil. Clean the venting filter thoroughly. Carry out a first check for contamination approx. 12 hours after commissioning.
- The oil level must be between the dipstick markings. The operating oil volume indicated on the type plate or the drawing of installation is a reference value.
- For flushing and cleaning of the gearbox use the operating oil. Remove cleaning oil from gearbox, oil filter and heat exchanger as thoroughly as possible.
- The gearbox is filled with VCI preservation oil when delivered. When the gearbox is put into operation, drain the VCI preservation oil and fill in operating oil. Any small amount of VCI preservation oil remaining may be mixed with the operating oil.

NOTICE

▶ The oil types listed in the lubrication chart are defined by the responsibility of the oil companies. The oils are suitable for the use in gearboxes and are in accordance with the REINTJES specification. The oil companies are responsible to keep the compositions of the oils identical as specified for this oil chart.

▶ REINTJES is neither liable for correctness of these data nor for any amendments occurring.

▶ If other oils shall be used please contact REINTJES first.

▶ REINTJES does not accept responsibility for any damages due to use of unsuitable oil.

NOTICE

Danger of hydrolysis

EAL lubricants are as a rule based on synthetically produced esters. There is always a danger of the used EAL lubricants to hydrolyse.

▶ Minimise the water content of the EAL lubricant for example by using adsorbers (special equipment).

▶ Observe the special information for EAL lubricants on oil change, flushing, and shutdown periods in the REINTJES operation description BV2379 "Guidelines for changing oil".

▶ Contact REINTJES service when using EAL lubricants for the first time.