



PANOLIN
Bläsimühle 2 – 6
CH-8322 Madetswil
Switzerland
www.panolin.com



Part of the PANOLIN concept



PANOLIN ATLANTIS 22, N 32

Hydraulic fluid – readily biodegradable, saturated synthetic esters

Environmentally Considerate Lubricant (ECL)/Environmentally Acceptable Lubricant (EAL)

Features and benefits

- Specially formulated from saturated synthetic esters and selected additives to protect hydraulic equipment operating in the offshore environment against corrosion and wear
- Fully complies to the low ecotox profile required by the OSPAR commission in order to protect the marine environment
- Contains no substitutable components according to the Cefas classification procedure
- Minimally toxic
- CO₂ reduction due to extended oil-change and service intervals
- Excellent cold flow characteristics
- Improved oxidation resistance to offer a wide operating temperature range
- Prevents gumming and deposits even under high thermal load

Applications (follow manufacturer's instructions)

- Hydraulic systems
- Deck cranes
- Launch and recovery systems
- Subsea ROVs
- Winches
- Deck ring mains
- Offshore oil and gas

Environmental compatibility

It is decomposed by micro-organisms in water and/or soil almost without any residues.

- Biodegradability acc. to OECD 301 B: > 60%
- Cefas, UK: OCNS Group C
- Miljødirektoratet – Norway: Environmental Category Yellow
- OSPAR Recommendation 2010/3 on HOCNF (Harmonised Offshore Chemical Notification Format)
- Staatstoezicht op de Mijnen – SodM, NL: HMCS Category R
- US EPA VIDA (Vessel Incidental Discharge Act), VGP 2013 (Vessel General Permit)

Approvals (valid manufacturer approval for the specific lubricant)

ABS – Type Approval
Damcos A/S (Emerson Process Management)
Framo AS (36065)
Nakashima Propeller Co., Ltd. (36065)
National Oilwell Varco (NOV) – Subsea cranes (36065)
TechnipFMC Schilling Robotics – ROV



Technical data (mean values, subject to normal tolerances)

| PANOLIN ATLANTIS | Product No. | Density g/cm ³ 15 °C | Viscosity in mm ² /s 40 °C 100 °C | | Flashpoint COC in °C | Pour point in °C | Viscosity index | Iodine No. |
|------------------|-------------|------------------------------------|---|-----|-------------------------|---------------------|--------------------|---------------|
| 22 | 36062 | 0.915 | 20.7 | 4.5 | 220 | - 54 | 136 | < 6 |
| N 32 | 36065 | 0.913 | 33.8 | 6.3 | 232 | - 50 | 139 | < 7 |

Instructions

Please refer to the drum label, or for detailed information, to the safety data sheet – available from PANOLIN.
Before changing over to PANOLIN ECLs/EALs, please ask for our instructions.