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Part of the PANOLIN concept  
 GREENMARINE®

# 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
- CO<sub>2</sub> 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 – United Kingdom: OCNS Group C
- Miljødirektoratet – Norway: Environmental Category Yellow
- OSPAR Recommendation 2010/3 on HOCNF (Harmonised Offshore Chemical Notification Format)
- RINA Green Plus – Italy
- SODM – Netherlands: OCNS Group C (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 <sup>3</sup> 15°C	Viscosity in mm <sup>2</sup> /s		Flashpoint COC in °C	Pour point in °C	Viscosity index	Iodine No.
			40°C	100°C				
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.