

# Lubrication Overview Offshore Vessel

## 1. CONTROLLABLE PITCH PROPELLER & STERN TUBE

<b>RENOLIN ZAF HVXA 32 / 46</b>	Multigrade hydraulic fluids for usage in a wide temperature range and severe load conditions.
<b>RENOLIN CLP 8 / 100 / 150</b>	High performance gear oils with outstanding extreme pressure characteristics and load carrying capacity.
<b>SternWay 220 / SternWay BIO 100 / HV</b>	Stern tube.

## 2. MISCELLANEOUS MACHINERY LUBRICATING & GREASE POINTS

<b>RENOLIN ZAF HVXA 32 / 46 / 68</b>	Multigrade hydraulic fluids for usage in a wide temperature range and severe load conditions.
<b>RENOLIN CLP</b>	High performance gear oils with outstanding extreme pressure characteristics and load carrying capacity.
<b>RENOLIT UniWay LiX 42 / 62</b>	Lithium soap-based EP grease for plain and roller bearings under high load in humid atmosphere.

## 3. MAIN ENGINES

<b>TITAN MARWAY 1030 SAE 30 / 1040 SAE 40</b> <b>TITAN MARWAY 1530 SAE 30 / 1540 SAE 40</b>	High quality lubricant recommended for medium speed rated, marine trunk piston engine.
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<b>GANYMET PRO RR 40</b>	High quality lubricant recommended for LNG, marine trunk piston engines.
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## 4. AUXILIARY DIESEL ENGINE

<b>TITAN TRUCK PLUS SAE15W-40</b>	High quality lubricant recommended for high speed rated HDO, marine trunk piston engines.
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**TITAN CARGO** SAE 15W-40, LD3 SAE 10W-40, MAXX II 10W-40



## 5. MAIN & AUXILIARY COMPRESSORS

<b>RENOLIN UNISYN OL 46</b>	Synthetic PAO Compressor oil for usage in flooded or oil injection screw type air compressors.
<b>RENISO SP 68 / 100</b>	Synthetic alkylbenzene Compressor oil for usage in flooded or oil injection screw type air compressors.
<b>RENISO TRITON SEZ 100</b> <b>RENISO TRITON SE 170 / 220</b>	Refrigerator Compressors.

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## 6. STEERING GEAR & RUDDER CARRIER

**RENOLIN ZAF HVXA 32 / 46 / 68** Multigrade hydraulic fluids for usage in a wide temperature range and severe load conditions.

**RENOLIT CG 92** Multi purpose grease for all points requiring a high performance concerning water resistance, working stability, EP and AW properties.

**RENOLIT GREASEWAY BIO CaH 82** Environmentally adapted grease based on biodegradable synthetic esters thickened with anhydrous calcium soap.

## 7. LIFE- & RESCUE BOAT ENGINES

**TITAN TRUCK PLUS SAE10W-40** All Season SHPD engine oil with high alloy ratio.

**TITAN CARGO SAE 15W-40** Long life and fuel economy oil for high speed diesel engine.

**TITAN MARINE TC-W 3** Fully synthetic high performance 2-Stroke engine oil.

## 8. DECK CRANES & CARGO HANDLIN

**RENOLIN ZAF HVXA 32 / 46** Multigrade hydraulic fluids for usage in a wide temperature range and severe load conditions.

**RENOLIT CG 92** Multi purpose grease for all points requiring a high performance concerning water resistance, working stability, EP and AW properties.

## 9. THRUSTERS

**RENOLIN CLP 68 / 100 / 150** High performance gear oils with outstanding extreme pressure characteristics and load carrying capacity.



## 10. GENERAL DECK MACHINERY

**RENOLIN ZAF HVXA 32/46/68/100** Multigrade hydraulic fluids for usage in a wide temperature range and severe load conditions.

**RENOLIN CRP 150 / 220 / 320** High performance gear oils with outstanding extreme pressure characteristics and load carrying capacity.

**RENOLIT CG 92** Calcium soap-based EP grease for plain and roller bearings under high load in humid atmosphere.