

# Lanopro Hyd 21-46 A

## Hydraulic Oil



Specification Sheet 2010.12.06

**Lanopro Hyd 21-46 A** is environmentally acceptable hydraulic oil based on special selected renewable synthetic esters with superior oxidation stability and longevity. The product is recommended for mobile as well as stationary hydraulic systems under severe working conditions.

Specifications: Swedish Standard 15 54 34 BV 46 EAL, SP Green List and ISO/FDIS 15380 HEES.

### Physical and Chemical Data (typical)

Analysis	Method	Unit	Results
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	46
Viscosity at 100°C		mm <sup>2</sup> /s	9
Viscosity at -20°C		mm <sup>2</sup> /s	1400
Viscosity at -30°C		mm <sup>2</sup> /s	3600
Viscosity Index	ASTM D 2270		185
Pour Point	ISO 3016, ASTM D 97	°C	< -42
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	916
Flash Point	ASTM D 93	°C	> 200

### INSTRUCTIONS: Hydraulic Oil Change.

**When changing from another oil (eg. mineral oil) to the environmentally friendly hydraulic fluids the following approach is recommended:**

#### Mobile Systems.

1. Clean the machine thoroughly and externally heat up the system thereafter by running the system as normal. When cleaning with high pressure sprayer is not water jet directed against air filters, gaskets and packing boxes. This to reduce the risk of water interference in the oil.
2. Place all hydraulic functions in such a position that maximum oil volume going to the hydraulic tank.
3. Drain the old oil from the hydraulic tank and if possible from other parts of the hydraulic system, such as Hydraulic oil cooler.
4. Clean the hydraulic tank thoroughly with lint-free wipes.
5. Disconnect the return line and pour the oil into a receptacle for waste oil.
6. Fill the tank to the upper level of the border with new hydraulic oil.
7. Run all hydraulic functions until fresh hydraulic oil comes from the return line.  
**NOTE:** Keep checking on the level of the hydraulic tank and fill it to its normal level.
8. Replace the return line or proceed under section 10.
9. Run the machine about 24 hours.
10. Repeat after paragraph 2-8.
11. Replace all filters (fiberglass filters 10 microns absolute is recommend).
12. Keep checking the filter indicators and magnetic pole in the next 200 hours and replace filter if necessary.

**Please follow the machine manufacturer's instructions for interval of oil change from used hydraulic oil to the new oil, then the following approach is recommended:**

Follow the above instructions, paragraphs 1-8, and 11.

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Lanopro Production AS  
Smedveien 7  
1344 Haslum  
Norway

Phone: +47 40 00 15 14  
Fax: +47 21 54 73 43  
E-mail: mail@lanopro.com  
www.lanopro.com

Lanopro Pte Ltd  
112 Robinson Road  
#12-01  
Singapore 068902

Phone: +65 6222 3209  
Fax: +65 6826 4109  
E-mail: mail@lanopro.com  
www.lanopro.com