

## LAB REPORT

Unit id

**DRUCKMASCHINE**

Lab number

**1704841**

page 1 of 1

OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Machine type: Keine Angabe  
Manufacturer: Heidelberg  
Sample from: Druckmaschine  
Oil brand name: Pennasol CLP 150  
Oil quantity in system: 120 l

**Diagnosis for the current laboratory values**

The wear values are in the normal range. The cleanliness class of the oil complies with the requirements. The measured viscosity meets the requirements of ISO VG 150. The water content is within the normal range. If no oil change has happened yet, it is possible to continue using the oil under similar operating conditions and under continuation of the usual maintenance schedule. I recommend that you send the next sample at the next service interval or at your regular inspection for trend analysis.

**Dipl.-Ing. Andy Böhme (CLS)****Sample Rating****Normal**

ANALYSIS RESULTS			Current sample	Previous samples	
LAB NUMBER			1704841		
SAMPLE RATING					
Date tested			26.06.2025		
Date of sample taken			20.06.2025		
Date of last oil change			01.06.2023		
Top-up since change			-		
Operating time since change			a 2		
Total operating time			a 5		
Oil changed			-		
WEAR					
Iron	Fe	mg/kg	4		
Chrome	Cr	mg/kg	0		
Tin	Sn	mg/kg	0		
Aluminum	Al	mg/kg	0		
Nickel	Ni	mg/kg	0		
Copper	Cu	mg/kg	10		
Lead	Pb	mg/kg	2		
Molybdenum	Mo	mg/kg	1		
Manganese	Mn	mg/kg	0		
PQ index	-		< 25		
CONTAMINATION					
Silicon	Si	mg/kg	8		
Potassium	K	mg/kg	0		
Sodium	Na	mg/kg	0		
Water K. F.	ppm		43		
OIL CONDITION					
Viscosity at 40°C	mm²/s		139.42		
Viscosity at 100°C	mm²/s		14.47		
Viscosity index	-		102		
Oxidation	A/cm		1		
ADDITIVES					
Calcium	Ca	mg/kg	12		
Magnesium	Mg	mg/kg	0		
Boron	B	mg/kg	0		
Zinc	Zn	mg/kg	22		
Phosphorus	P	mg/kg	120		
Barium	Ba	mg/kg	0		
Sulphur	S	mg/kg	7954		
ADDITIONAL TESTS					
Cleanliness class	ISO 4406		18/15/10		
A: >4µm = ISO >4µm	Particles/100ml		200580		
B: >6µm = ISO >6µm	Particles/100ml		18869		
C: >14µm = ISO >14µm	Particles/100ml		773		
D: >21µm	Particles/100ml		41		
E: >38µm	Particles/100ml		0		
F: >70µm	Particles/100ml		0		
Cleanliness class	SAE AS 4059		9A		

**Bottle and cap****Infrared Spectrum**