

Unit ID **Calender**  
 Component **Heat transfer oil**  
 Current sample number **1705844**



OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Oil brand name: **Thermoöl**  
 Oil quantity in system: **12000 l**

Example report  
 Analysis scope: Paper machine kit Heat transfer oil

### Diagnosis for the current laboratory values

The wear values are in the normal range. We cannot detect significant oil oxidation. The flash point is normal and within the possible tolerance limit. Please observe further changes with the next sample. 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			1705844	1705845	1705846	1705847
SAMPLE RATING			✓	✓	✓	✓
Date tested			26.02.2024	03.03.2023	30.03.2022	04.03.2021
Date of sample taken			20.02.2024	23.02.2023	29.03.2022	02.03.2021
Date of last oil change			-	-	-	-
Top-up since change	l		200	-	400	-
Operating time since change			-	-	-	-
Total operating time			-	-	-	-
Oil changed			-	-	-	-
WEAR						
Iron	Fe	mg/kg	29	25	25	24
Chrom	Cr	mg/kg	0	0	0	0
Tin	Sn	mg/kg	0	0	0	0
Aluminum	Al	mg/kg	0	0	0	0
Nickel	Ni	mg/kg	0	0	0	0
Copper	Cu	mg/kg	3	1	2	2
Lead	Pb	mg/kg	0	0	0	0
Molybdenum	Mo	mg/kg	0	0	0	0
Manganese	Mn	mg/kg	0	0	0	0
PQ index	-		< 25	< 25	< 25	< 25
CONTAMINATION						
Silicon	Si	mg/kg	1	0	0	0
Potassium	K	mg/kg	1	1	0	1
Sodium	Na	mg/kg	0	0	0	3
Tungsten	W	mg/kg	1	1	-	1
Water	%		< 0.10	< 0.10	< 0.10	< 0.10
OIL CONDITION						
Viscosity at 40°C	mm²/s		21.09	21.21	20.94	20.98
Viscosity at 100°C	mm²/s		4.15	4.18	4.18	4.20
Viscosity index	-		95	97	101	102
Oxidation	A/cm		4	5	4	4
IR index	-		99.93	99.70	99.52	99.92
ADDITIVES						
Calcium	Ca	mg/kg	0	0	1	0
Magnesium	Mg	mg/kg	0	0	1	0
Boron	B	mg/kg	0	0	0	0
Zinc	Zn	mg/kg	0	0	2	0
Phosphorus	P	mg/kg	0	0	0	0
Barium	Ba	mg/kg	0	0	0	0
Sulphur	S	mg/kg	2457	2691	2419	2411
ADDITIONAL TESTS						
AN / NN	mgKOH/g		0.11	< 0.10	0.11	0.13
Flash point closed	SSCC °C		185	185	185	180

Bottle and cap



Infrared Spectrum

