

Unit ID **Paper machine PM2**
 Component **Industrial transmission**
 Current sample number **1705848**



OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Oil brand name: **CLP 220**
 Oil quantity in system: **170 l**

Example report
 Analysis scope: Paper machine kit Gear

Diagnosis for the current laboratory values

Wear metals are only present in negligible concentrations. Hardly any abrasive or corrosive wear is therefore visible. The cleanliness class of the oil complies with the requirements. 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



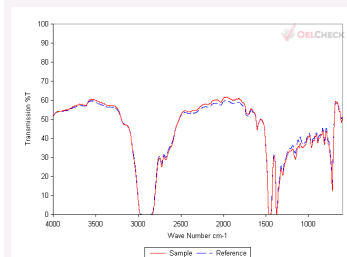
normal

ANALYSIS RESULTS			Current sample	Previous samples		
LAB NUMBER			1705848	1705849	1705850	1705851
SAMPLE RATING			✓	✓	✓	✓
Date tested			02.10.2023	12.04.2023	29.12.2022	02.08.2022
Date of sample taken			28.09.2023	05.04.2023	27.12.2022	27.07.2022
Date of last oil change			10.05.2021	10.05.2021	10.05.2021	10.05.2021
Top-up since change	I		6	-	10	1
Operating time since change	M		28	23	19	14
Total operating time			-	23	19	14
Oil changed			no	no	no	no
WEAR						
Iron	Fe	mg/kg	1	1	2	0
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	0	0	0	0
Lead	Pb	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	0	0	1	0
Potassium	K	mg/kg	1	0	1	0
Sodium	Na	mg/kg	0	0	1	0
Lithium	Li	mg/kg	1	-	-	-
Water K. F.			113	100	94	137
OIL CONDITION						
Viscosity at 40°C			227.72	225.31	224.93	228.30
Viscosity at 100°C			19.56	19.28	19.18	19.46
Viscosity index			98	97	96	97
Oxidation			1	1	1	1
Oxidation index			< 5	5	-	10
IR index			99.58	99.70	99.38	99.78
ADDITIVES						
Calcium	Ca	mg/kg	0	0	2	0
Magnesium	Mg	mg/kg	0	1	0	1
Boron	B	mg/kg	20	23	24	30
Zinc	Zn	mg/kg	0	1	9	0
Phosphorus	P	mg/kg	361	333	323	336
Barium	Ba	mg/kg	0	0	0	0
Molybdenum	Mo	mg/kg	0	0	2	0
Sulphur	S	% Wt.	1.16	0.98	0.97	1.03

Bottle and cap



Infrared Spectrum



LAB REPORT

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ADDITIONAL TESTS					
AN / NN	mgKOH/g	0.73	0.76	0.78	0.74
Cleanliness class	ISO 4406	20/16/11	21/18/11	21/19/15	21/18/13
A: >4µm = ISO >4µm	Particles/100ml	681675	1314853	1597468	1173837
B: >6µm = ISO >6µm	Particles/100ml	48197	141034	294118	176984
C: >14µm = ISO >14µm	Particles/100ml	1946	1180	19459	7772
D: >21µm	Particles/100ml	339	241	5716	1765
E: >38µm	Particles/100ml	0	32	342	166
F: >70µm	Particles/100ml	0	0	51	24
Cleanliness class	SAE AS 4059	10A	11A	11A	11A

