LAB REPORT

Unit ID

Component

Forming press

Recirculating lubrication system

Current sample number

1700882

OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Example report Analysis scope: Analysis-Kit 3 Machine type: Manufacturer: Oil brand name: Oil quantity in system: Press ABC Mobil Mobilgear 629 850 I

Diagnosis for the current laboratory values

Lead and copper elevated through wear of non-ferrous components (e.g. brass). The additive elements differ from the fresh oil. Possible reasons could be a different oil type or mixture with another oil type. NZ (acid/neutralization number) higher than expected but not yet critical. Possible reason: oxidation or oil aging. I recommend that you change the oil as soon as possible if you have not already done so.

Dipl.-Ing. Rüdiger Krethe

ANALYSIS RESULTS LAB NUMBER			Current sample		Previous samples	
			1700882	1700883		
SAMPLE RATING			•	i		
Date tested			09.06.2023	28.09.2021		
Date of sample taken			14.05.2023	18.09.2021		
Date of last oil change	Э		11.07.2019	11.07.2019		
Top-up since change		250	90			
Operating time since change h		16660	8320			
Total operating time		h	27690	19350		
Oil changed			no	no		
WEAR						
Iron	Fe	mg/kg	4	2		
Chrome	Cr	mg/kg	0	0		
Tin	Sn	mg/kg	0	0		
Aluminum	AI	mg/kg	0	0		100
Nickel	Ni	mg/kg	0	0		90 -
Copper	Cu	mg/kg	15	1		80 -
Lead	Pb	mg/kg	19	1		70 -
Molybdenum	Мо	mg/kg	0	0		TR missim
PQ index	-		< 25	< 25		80 - 40 -
CONTAMINATION						30 - 20 -
Silicon	Si	mg/kg	5	3		10 -
Potassium	к	mg/kg	3	0		4000
Sodium	Na	mg/kg	0	0		
Water K. F.	ppm		549	284		
OIL CONDITION						-
Viscosity at 40°C	mm²/s		138.90	140.90		
Viscosity at 100°C	mm²/s		14.87	14.31		
Viscosity index	-		108	99		
Oxidation	A/cm		1	4		
IR index	-		99.12	99.53		
ADDITIVES						-
Calcium	Са	mg/kg	343	55		
Magnesium	Mg	mg/kg	0	0		
Boron	В	mg/kg	15	3		
Zinc	Zn	mg/kg	152	47		
Phosphorus	Р	mg/kg	365	208		
Barium	Ва	mg/kg	0	0		
Sulphur	S	% Wt.	1.15	0.88		
ADDITIONAL TEST	s					
		I <i>I</i> .	4 70	0.07		-

1.79

mgKOH/g

AN / NN

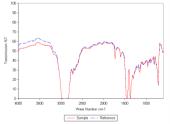


action



Bottle and cap

Infrared Spectrum







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0.67

