LAB REPORT

OELCHECK since 1991

Unit ID **Pellet press**

Component Gear/transmission

Current sample number 1700889

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OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Example report
Analysis scope: Analysis-Kit 2

Machine type:	**Gear/transmission**
Manufacturer:	**Kahl**
Oil brand name:	**Mobil Glygoyle 460**
Oil quantity in system:	**320 l**

Diagnosis for the current laboratory values

The wear values are in the normal range. The content of magnetic wear particles is lower than the detection limit of the PQ index. 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. Please send us the next sample after a further 2,000 hours for trend analysis. No oil change is required during this period if the operating conditions remain similar.

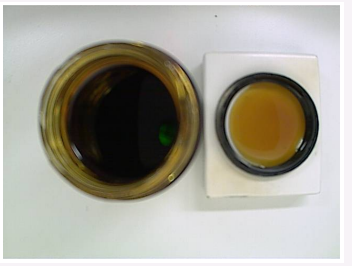
Dipl.-Ing. (FH) Stefan Mitterer (CLS)

Sample Rating

normal

ANALYSIS RESULTS			Current sample	Previous samples		
LAB NUMBER			**1700889**	1700891		
SAMPLE RATING						
Date tested			**07.01.2021**	06.02.2020		
Date of sample taken			**17.12.2020**	17.01.2020		
Date of last oil change			**25.11.2020**	15.09.2014		
Top-up since change		l	**0**	100		
Operating time since change		h	**500**	6800		
Total operating time		h	**54600**	50100		
Oil changed			**no**	no		
WEAR						
Iron	Fe	mg/kg	**6**	46		
Chrome	Cr	mg/kg	**0**	0		
Tin	Sn	mg/kg	**2**	9		
Aluminum	Al	mg/kg	**0**	1		
Nickel	Ni	mg/kg	**0**	0		
Copper	Cu	mg/kg	**5**	16		
Lead	Pb	mg/kg	**0**	0		
PQ index	-		**< 25**	78		
CONTAMINATION						
Silicon	Si	mg/kg	**3**	11		
Potassium	K	mg/kg	**0**	0		
Sodium	Na	mg/kg	**0**	0		
Water	%		**< 0.10**	< 0.10		
OIL CONDITION						
Viscosity at 40°C	mm²/s		**460.52**	438.54		
Viscosity at 100°C	mm²/s		**75.24**	73.51		
Viscosity index	-		**245**	248		
Oxidation	A/cm		**-**	-		
IR index	-		**98.78**	97.27		
ADDITIVES						
Calcium	Ca	mg/kg	**0**	1		
Magnesium	Mg	mg/kg	**0**	1		
Boron	B	mg/kg	**0**	1		
Zinc	Zn	mg/kg	**0**	14		
Phosphorus	P	mg/kg	**1330**	1196		
Barium	Ba	mg/kg	**6**	9		
Molybdenum	Mo	mg/kg	**0**	0		
ADDITIONAL TESTS						
AN / NN	mgKOH/g		**0.64**	1.13		

Bottle and Cap



Infrared Spectrum