

Unit ID **Pellet press**  
 Component **Gear/transmission**  
 Current sample number **1700889**


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

Example report  
 Analysis scope: Analysis-Kit 2

### 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. Stefan Mitterer

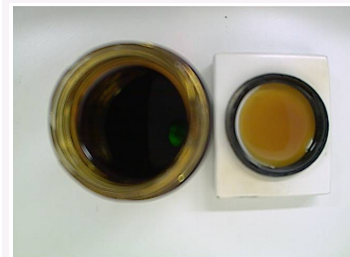
### Sample Rating



**normal**

ANALYSIS RESULTS			Current sample	Previous samples	
<b>LAB NUMBER</b>			<b>1700889</b>	1700891	
<b>SAMPLE RATING</b>					
Date tested			<b>07.01.2019</b>	06.02.2018	
Date of sample taken			<b>17.12.2018</b>	17.01.2018	
Date of last oil change			<b>25.11.2018</b>	15.09.2012	
Top-up since change	l		<b>0</b>	100	
Operating time since change	h		<b>500</b>	6800	
Total operating time	h		<b>54600</b>	50100	
Oil changed			<b>no</b>	no	
<b>WEAR</b>					
Iron	Fe	mg/kg	<b>6</b>	46	
Chrome	Cr	mg/kg	<b>0</b>	0	
Tin	Sn	mg/kg	<b>2</b>	9	
Aluminum	Al	mg/kg	<b>0</b>	1	
Nickel	Ni	mg/kg	<b>0</b>	0	
Copper	Cu	mg/kg	<b>5</b>	16	
Lead	Pb	mg/kg	<b>0</b>	0	
PQ index	-		<b>&lt; 25</b>	78	
<b>CONTAMINATION</b>					
Silicon	Si	mg/kg	<b>3</b>	11	
Potassium	K	mg/kg	<b>0</b>	0	
Sodium	Na	mg/kg	<b>0</b>	0	
Water	%		<b>&lt; 0.10</b>	< 0.10	
<b>OIL CONDITION</b>					
Viscosity at 40°C	mm <sup>2</sup> /s		<b>460.52</b>	438.54	
Viscosity at 100°C	mm <sup>2</sup> /s		<b>75.24</b>	73.51	
Viscosity index	-		<b>245</b>	248	
Oxidation	A/cm		<b>-</b>	-	
IR index	-		<b>98.78</b>	97.27	
<b>ADDITIVES</b>					
Calcium	Ca	mg/kg	<b>0</b>	1	
Magnesium	Mg	mg/kg	<b>0</b>	1	
Boron	B	mg/kg	<b>0</b>	1	
Zinc	Zn	mg/kg	<b>0</b>	14	
Phosphorus	P	mg/kg	<b>1330</b>	1196	
Barium	Ba	mg/kg	<b>6</b>	9	
Molybdenum	Mo	mg/kg	<b>0</b>	0	
<b>ADDITIONAL TESTS</b>					
AN / NN	mgKOH/g		<b>0.64</b>	1.13	

Bottle and Cap



Infrared Spectrum

