

# LAB REPORT

Unit ID **Biodiesel (FAME)**  
 Component **FAME (as biodiesel fuel)**  
 Current sample number **1700657**



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Sample from: **Tank**  
 Fuel type: **Biodiesel DIN EN 14214**  
 Tank capacity: **28000**

Example report  
 Analysis scope: Fuel Kit 3KB

## Diagnosis for the current laboratory values

The water content is within the normal range. The measured results are typical for FAME (RME/biodiesel) fuel according to DIN EN 14214. There are no abnormal values visible. To determine whether all other requirements of this standard (e.g. cetane number, iodine number) are compliant, additional tests would need to be undertaken.

Dipl.-Ing. Stefan Mitterer

## Sample Rating



**normal**

ANALYSIS RESULTS			Current sample	Previous samples	
<b>LAB NUMBER</b>			<b>1700657</b>		
<b>SAMPLE RATING</b>					
Date tested			<b>30.04.2020</b>		
Date of sample taken			<b>23.04.2020</b>		
Date of last refuel			-		
Total operating time			-		
<b>WEAR</b>					
Iron	Fe	mg/kg	<b>0</b>		
Chrom	Cr	mg/kg	<b>0</b>		
Tin	Sn	mg/kg	<b>0</b>		
Aluminum	Al	mg/kg	<b>0</b>		
Nickel	Ni	mg/kg	<b>0</b>		
Copper	Cu	mg/kg	<b>0</b>		
Lead	Pb	mg/kg	<b>0</b>		
Molybdenum	Mo	mg/kg	<b>0</b>		
PQ index	-		<b>&lt; 25</b>		
<b>CONTAMINATION</b>					
Silicon	Si	mg/kg	<b>0</b>		
Potassium	K	mg/kg	<b>0</b>		
Sodium	Na	mg/kg	<b>0</b>		
Water K. F.	ppm		<b>388</b>		
<b>OIL CONDITION</b>					
Viscosity at 40°C	mm <sup>2</sup> /s		<b>4.15</b>		
<b>ADDITIVES</b>					
Calcium	Ca	mg/kg	<b>0</b>		
Magnesium	Mg	mg/kg	<b>0</b>		
Boron	B	mg/kg	<b>0</b>		
Zinc	Zn	mg/kg	<b>0</b>		
Phosphorus	P	mg/kg	<b>0</b>		
Barium	Ba	mg/kg	<b>0</b>		
Sulphur	S	mg/kg	<b>&lt; 10</b>		
<b>ADDITIONAL TESTS</b>					
Density 15°C	kg/m <sup>3</sup>		<b>882</b>		
Flash point CC	°C		<b>180</b>		

Bottle and Cap

