

# LAB REPORT

Unit ID **Diesel fuel**  
 Component **Tank**  
 Current sample number **1700776**



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Example report  
 Analysis scope: Fuel Kit 3

Machine type: **ABC**  
 Manufacturer: **ABC**  
 Fuel type: **Dieselmkraftstoff, DIN EN 590**  
 Tank capacity: **6000 l**

### Diagnosis for the current laboratory values

The values determined are typical for diesel according to EN 590. Whether all other requirements of EN 590 are also fulfilled (distillation range, cetane index, etc.) cannot be assessed without appropriate tests. We are happy to offer these additional tests upon request. The FAME content (biodiesel) is within the permissible limits of the EN 590 standard (max. 7% by weight).

Dipl.-Ing. Andy Böhme (MLA II + CLS)

### Sample Rating



**normal**

ANALYSIS RESULTS			Current sample	Previous samples	
<b>LAB NUMBER</b>			<b>1700776</b>		
<b>SAMPLE RATING</b>			✔		
Date tested			<b>19.04.2023</b>		
Date of sample taken			<b>11.04.2023</b>		
Date of last refuel			-		
Total operating time			-		
<b>WEAR</b>					
Iron	Fe	mg/kg	<b>0</b>		
Chrome	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>&lt; 30</b>		
<b>OIL CONDITION</b>					
Viscosity at 40°C	mm²/s		<b>2.44</b>		
FAME DIN	%		<b>2.0</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>					
Flash point closed	SSCC	°C	<b>65</b>		

Bottle and cap



Infrared Spectrum

