



Fuel Analysis Report

North America: +1-877-808-3750



Account Information	Component Information	Sample Information
Account Number: 642073-0000-0000 Company Name: PRECISE POWER SYSTEMS Contact: TOM MARKHAM Address: 10520 PLAZA DRIVE WHITMORE LAKE, MI 48189 US Phone Number:	Component ID: 20085T54420 DF Secondary ID: Fuel Type: DIESEL FUEL Manufacturer: Model: Application: UNKNOWN Tank Capacity:	Tracking Number: 20085T54420 Lab Number: I-279666 Lab Location: Indianapolis Data Analyst: CXW Sampled: 2020 Received: 15-May-2020 Completed: 18-May-2020
Filter Information	Miscellaneous Information	
Filter Change: Unknown Filter Type: Information Requested Micron Rating: 9		
Comments	TEST RESULTS are within NORMAL PARAMETERS for this product.	

Test Results									
Test Method	Test Name	Result	Min	Max	Elemental Analysis mod. ASTM D5185	Result	Min	Max	
ASTM D7220	Sulfur (ppm)				Iron (ppm)				
ASTM D2709	Water and Sediment (%)				Chromium (ppm)				
mod. ASTM D6304	Water by Karl Fischer (%)				Nickel (ppm)				
mod. ASTM D6304	Water by Karl Fischer (ppm)	16			Aluminum (ppm)				
Manufacturer	Aerobic Bacteria (Counts)				Copper (ppm)				
Manufacturer	Bacteria (Counts)				Lead (ppm)				
Manufacturer	Fungi (Counts)				Tin (ppm)				
Manufacturer	Mold (Counts)				Cadmium (ppm)				
mod. ASTM D6468	Thermal Stability (%)				Silver (ppm)				
mod. ASTM D445	Viscosity 40°C (cSt)				Vanadium (ppm)				
mod. ASTM D445	Viscosity 100 °C (cSt)				Silicon (ppm)				
mod. ASTM D664	Acid Number (mg KOH/g)				Sodium (ppm)				
ASTM D7689	Cloud Point (°C)				Potassium (ppm)				
ASTM D7346	Pour Point (°C)				Titanium (ppm)				
ASTM D6371	Cold Filter Plug Point (°C)				Molybdenum (ppm)				
ASTM D3828	Closed Cup Flash Point (°C)				Antimony (ppm)				
ASTM D7345	Distillation Initial Boiling Point (°C)				Manganese (ppm)				
"Predicted D86"	Distillation 10% Recovered (°C)				Lithium (ppm)				
ASTM D7345	Distillation 10% Recovered (°C)				Boron (ppm)				
"Predicted D86"	Distillation 50% Recovered (°C)				Magnesium (ppm)				
ASTM D7345	Distillation 50% Recovered (°C)				Calcium (ppm)				
"Predicted D86"	Distillation 90% Recovered (°C)				Barium (ppm)				
ASTM D7345	Distillation 90% Recovered (°C)				Phosphorus (ppm)				
"Predicted D86"	Distillation Final Boiling Point (°C)				Zinc (ppm)				
ASTM D976	Cetane Index								
ASTM D7777	API Gravity								
ASTM D7777	Density (g/mL)								
Internal Method	Specific Gravity				Particle Count (particles/mL) ISO 4406 & mod. ISO 11500	Result	Min	Max	
ASTM D4868	BTU Per Gallon (BTU/gal)				ISO Cleanliness Code	14 / 13 / 10	/ /	/ /	
ASTM D4868	BTU Per Pound (BTU/lb)				> 4µm	111			
ASTM D6079	Lubricity (µm)				> 6µm	55			
ASTM D130	Copper Corrosion				> 10µm	21			
ASTM D482	Ash Content (mass %)				> 14µm	10			
ASTM D189	Carbon Residue (%)				> 21µm	3			
ASTM D7371	% Biodiesel - FAME (%)				> 38µm	0			
					> 70µm	0			
					> 100µm	0			

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.