



Fuel Analysis Report

North America: +1-877-808-3750



Sample does not meet ASTM specifications for fuel type designated.

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: 5 MICRON OUTLET DF Secondary ID: Fuel Type: DIESEL FUEL Manufacturer: Model: Application: UNKNOWN Tank Capacity:		Tracking Number: 20085T54421 Lab Number: I-279664 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	Particle count results exceed acceptable limits. Increased injector and fuel pump WEAR may result. PARTICLE COUNT RESULTS suggest the use of PORTABLE FILTRATION to improve SYSTEM CLEANLINESS; and/or; FILTER CHANGE suggested if not done at sampling time (as applicable). Resample at half interval.				

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)	46			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 50% Recovered (°C)				Boron (ppm)				
"Predicted D86"	Distillation 90% Recovered (°C)				Magnesium (ppm)				
ASTM D7345	Distillation Final Boiling Point (°C)				Calcium (ppm)				
"Predicted D86"	Cetane Index				Barium (ppm)				
ASTM D976	API Gravity				Phosphorus (ppm)				
ASTM D7777	Density (g/mL)				Zinc (ppm)				
Internal Method	Specific Gravity								
ASTM D4868	BTU Per Gallon (BTU/gal)				Particle Count (particles/mL)	Result	Min	Max	
ASTM D4868	BTU Per Pound (BTU/lb)				ISO 4406 & mod. ISO 11500				
ASTM D6079	Lubricity (µm)				ISO Cleanliness Code	23 / 22 / 17	/ /	/ /	
ASTM D130	Copper Corrosion				> 4µm	59923			
ASTM D482	Ash Content (mass %)				> 6µm	27129			
ASTM D189	Carbon Residue (%)				> 10µm	4239			
ASTM D7371	% Biodiesel - FAME (%)				> 14µm	843			
					> 21µm	71			
					> 38µm	1			
					> 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.