



Advance
Fluid Management System

Lubricant Analysis Report

North America: +1-866-341-4382

0	1	2	3	4
NORMAL		ABNORMAL	CRITICAL	

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: MTU001-0251-0001 Company Name: THE DIESEL WORKSHOP Contact: SPENCER MORRISON Address: 2001 SW 20TH ST. FORT LAUDERALE, FL US Phone Number: 954-233-0717		Component ID: 536106031 PORT ENGINE Secondary ID: LEFT Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 24144Q84232 Lab Number: H-017573 Lab Location: Houston Data Analyst: M9G Sampled: 09-Jan-2025 Received: 17-Jan-2025 Completed: 23-Jan-2025	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Information Requested Micron Rating: 0				Product Manufacturer: Information Requested Product Name: Information Requested Viscosity Grade: Information Requested	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. FUEL DILUTION is at a MODERATE LEVEL; FUEL DILUTION possibly caused by excessive idling; In order to properly compare data to the correct standards, please provide COMPONENT MANUFACTURER and MODEL, and the FLUID MANUFACTURER, PRODUCT NAME, and VISCOSITY GRADE. LUBRICANT TIME was not provided for this sample. Please provide missing application and sump information.				

Sample #	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additive Metals (ppm)					
	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	12	0	0	1	1	0	0	0	0	0	6	4	0	0	44	0	0	0	57	544	1828	0	905	998

Sample #	Sample Information								Contaminants			Fluid Properties					
	Date Sampled	Date Received	Lube Time	Unit Time	Lube Change	Lube Added	Filter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid Number	Base No. D4739	Oxidation	Nitration	
			h	h	Lube Change	gal	Filter Change	%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm	
1	09-Jan-2025	17-Jan-2025	0	3022	No	0	No	4.3 - GC	<.1	<.1 - FTIR		12.5	1.12	8.88	15	7	

Sample #	Particle Count (particles/mL)										Test Method	Additional Testing	
	ISO Code	> 4	> 6	> 10	> 14	> 21	> 38	> 70	> 100				
	Based On	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL			
1	4/6/14	/ /											

Comments are advisory only and are based on the sample information provided by the customer being valid. Results related only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.