

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 118290-1216 - Tank Diesel Fuel

Sample No: LH0260108

Oil Type: No.2 DIESEL FUEL (ULTRALOW SULPHUR)



SAMPLE INFORMATION

Sample Number	LH0260108	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	19400	---	---	---
Sample Status	SEVERE	---	---	---

Weyerhaeuser

1000 Jones road
Kenora, ON
CA P9N 3X8
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FUEL CONDITION

Initial Boiling Point	°C	176	---	---	---
10% Distill Point	°C	214	---	---	---
20% Distill Point	°C	229	---	---	---
30% Distill Point	°C	241	---	---	---
40% Distill Point	°C	252	---	---	---
50% Distill Point	°C	264	---	---	---
60% Distill Point	°C	276	---	---	---
70% Distill Point	°C	289	---	---	---
80% Distill Point	°C	302	---	---	---
90% Distill Point	°C	323	---	---	---
Final Boiling Point	°C	361	---	---	---
Cetane Index		44	---	---	---
API Gravity		33	---	---	---
Sulfur	ppm	10	---	---	---
Visc @ 40°C	cSt	2.8	---	---	---
Fuel Color	text	Red	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. Laboratory test indicate that this fuel is suitable for use and meets all test requirements. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you filter this fluid before use. Resample in 30-45 days to monitor this situation. {not applicable} There is a high amount of particulates (2 to 100 microns in size) present in the fuel. The water content is negligible. The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel (US EPA/CGSB-3.517-3 type B).



CONTAMINATION

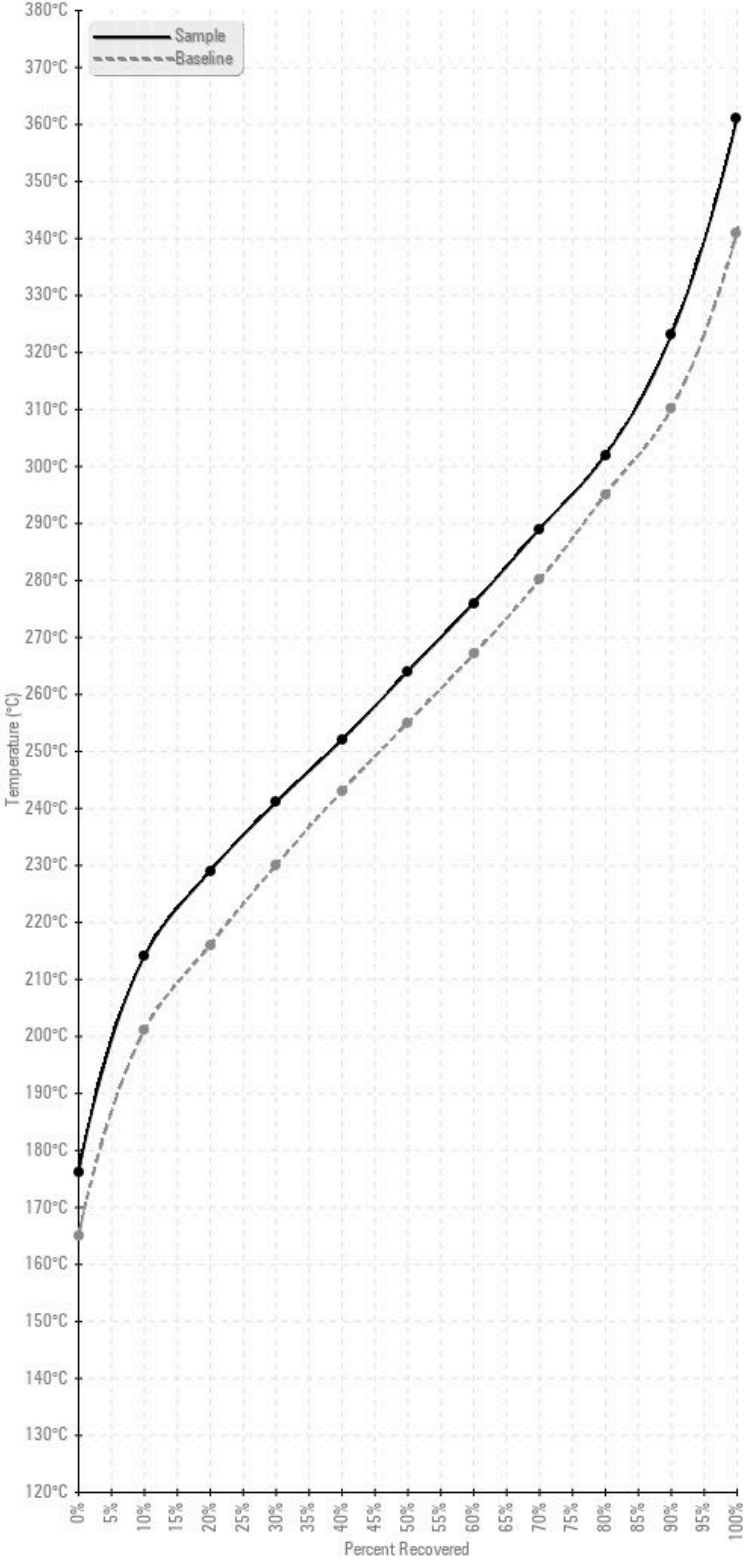
Water	%	0.003	---	---	---
Lead	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---
Silicon	ppm	0	---	---	---

Depot: WEY100KEN
Unique No: 5629362
Signed: Kevin Marson
Report Date: 24 Aug 2023

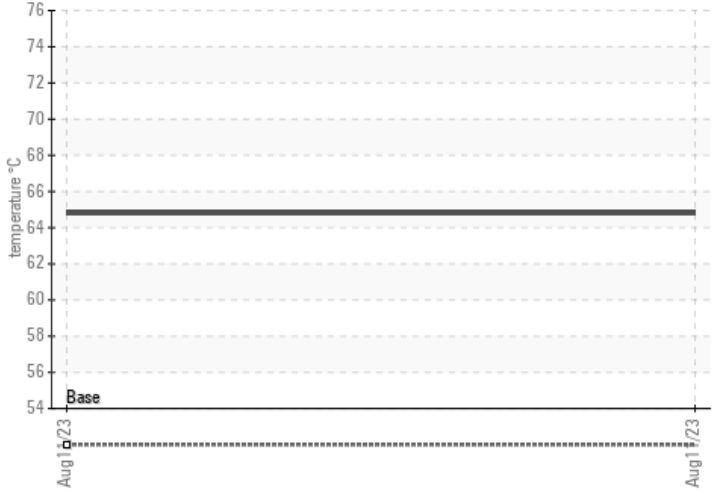


GRAPHS

Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum

