

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LB36 115814 - Diesel Fuel

Sample No: LH0276263

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



Sample Information

Sample Number	LH0276263	---	---	---
Sample Date	29 Apr 2024	---	---	---
Machine Hours	9350	---	---	---
Sample Status	SEVERE	---	---	---



Fuel Condition

Initial Boiling Point	°C	167	---	---	---
10% Distill Point	°C	200	---	---	---
20% Distill Point	°C	217	---	---	---
30% Distill Point	°C	233	---	---	---
40% Distill Point	°C	247	---	---	---
50% Distill Point	°C	262	---	---	---
60% Distill Point	°C	275	---	---	---
70% Distill Point	°C	289	---	---	---
80% Distill Point	°C	303	---	---	---
90% Distill Point	°C	325	---	---	---
Final Boiling Point	°C	367	---	---	---
Cetane Index		49	---	---	---
API Gravity		37	---	---	---
Sulfur	ppm	6	---	---	---
Visc @ 40°C	cSt	2.5	---	---	---
Fuel Color	text	Pink	---	---	---



Contamination

Water	%	0.00	---	---	---
Bacteria	CFU/ml	0	---	---	---
Yeast	CFU/ml	0	---	---	---
Mold	Colonies	NONE	---	---	---
Lead	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---
Silicon	ppm	0	---	---	---

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Contact: Steve Lehto
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Diagnosis

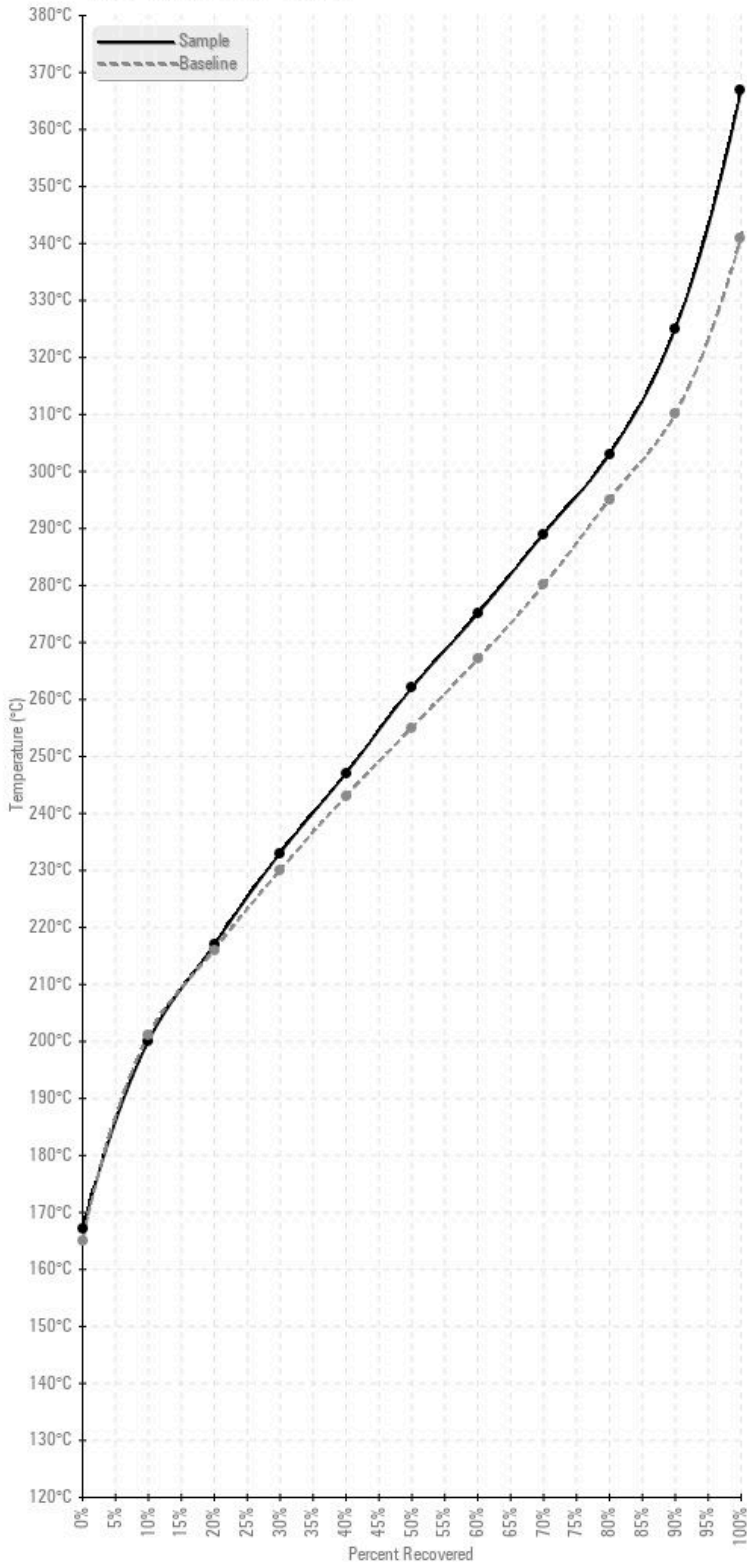
We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We advise that you filter this fluid before use. We advise that you follow the water drain-off procedure for this component. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. {not applicable} There is a high amount of silt (particulates < 14 microns in size) present in the fuel. Free water present. There is no bacteria or fungus (yeast and/or mold) present in the sample. 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).

Depot: LIEMIS
Unique No: 5773779
Signed: Kevin Marson
Report Date: 07 May 2024

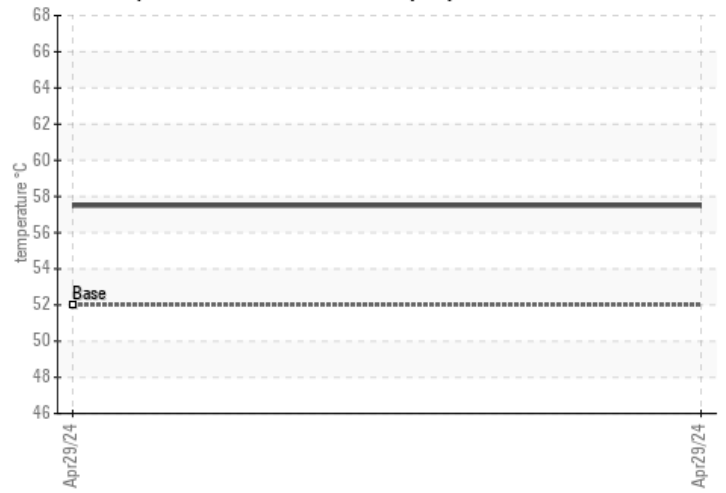


Graphs

Fuel Distillation Curve



Pensky-Martens Flash Point (°C)



GCD Spectrum

