

FUEL REPORT

Sample Rating Trend



days to monitor this situation.

Corrosion {not applicable

Contaminants

content is negligible. **Fuel Condition**

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

There is a high amount of particulates (2 to 100 microns in size) present in the fuel. The water

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).

Machine Ic LIEBHERR LH50M 118290-1216 Component

Fuel Filter Diesel Fuel

No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

ISO	

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A.J.	110-0

DIAGNOSIS Recommendation

	GAL)			Aug2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		LH0260117		
Sample Date		Client Info		11 Aug 2023		
Machine Age	hrs	Client Info		19400		
Sample Status				SEVERE		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.856		
uel Color	text	Visual Screen*	Yllow	Red		
/isc @ 40°C	cSt	ASTM D7279(m)	3.0	2.9		
Pensky-Martens Flash Point	°C	ASTM D7215*	52	64.9		
SULFUR CONTEN	٨T	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	10	10		
DISTILLATION		method	limit/base	current	history1	history2
nitial Boiling Point	°C	ASTM D2887*	165	176		
5% Distillation Point	°C	ASTM D2887*		205		
10% Distill Point	°C	ASTM D2887*	201	214		
15% Distillation Point	°C	ASTM D2887*		221		
20% Distill Point	°C	ASTM D2887*	216	229		
30% Distill Point	°C	ASTM D2887*	230	241		
40% Distill Point	°C	ASTM D2887*	243	253		
50% Distill Point	°C	ASTM D2887*	255	264		
60% Distill Point	°C	ASTM D2887*	267	276		
70% Distill Point	°C	ASTM D2887*	280	289		
30% Distill Point	°C	ASTM D2887*	295	303		
35% Distillation Point	°C	ASTM D2887*		313		
90% Distill Point	°C	ASTM D2887*	310	323		
95% Distillation Point	°C	ASTM D2887*		341		
Final Boiling Point	°C	ASTM D2887*	341	359		
IGNITION QUALIT	ΓY	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	33		
Cetane Index		ASTM D4737*	<40.0	44		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0		
Sodium	ppm	ASTM D5185(m)	<0.1	0		
Potassium	ppm	ASTM D5185(m)	<0.1	<1		
Water	%	ASTM D6304*	<0.05	0.003		
opm Water	ppm	ASTM D6304*	<500	31.8		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	16626		
Dortiolog Cum		ASTM D7647	>640	9274		
Particles >6µm			00	e 2432		
Particles >6µm Particles >14µm		ASTM D7647	>80	2 432		
		ASTM D7647 ASTM D7647		2432 1037		
Particles >14µm						
Particles >14μm Particles >21μm		ASTM D7647	>20 >4	1037		

Contact/Location: Rene Gagne - WEY100KEN



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