**CONSTRUCTION EQUIPMENT** 

## [(357697)] LIEBHERR PR766 016664-1421 - Diesel Fuel

Sample No: LH0238100

Oil Type: No.1 DIESEL FUEL (ULTRALOW SULPHUR)

Sample Information							
Sample Number	LH0238100	LH0238094					
Sample Date	07 Apr 2023	21 Jan 2023					
Machine Hours	5906	5306					
Sample Status	SEVERE	NORMAL					
Fuel Condition							

<b>V</b> Fuel €	ondition			
Initial Boiling Point	°C	<b>168</b>		 
10% Distill Point	°C	① 179		 
20% Distill Point	°C	① 186		 
30% Distill Point	°C	191		 
40% Distill Point	°C	198		 
50% Distill Point	°C	<b>205</b>		 
60% Distill Point	°C	212		 
70% Distill Point	°C	219		 
80% Distill Point	°C	228		 
90% Distill Point	°C	245		 
Final Boiling Point	°C	<b>285</b>		 
Cetane Index		<b>39</b>		 
API Gravity		40		 
Sulfur	ppm	<b>9</b>	<b>6</b>	 
Visc @ 40°C	cSt	<b>1.4</b>	O 2	 
Fuel Color	text	Pink		 

Contamination							
Water	%	○ 0.003					
Lead	ppm	<b>0</b>	O 0				
Nickel	ppm	<b>0</b>	<b>0</b> 0				
Aluminum	ppm	<b>0</b>	O 0				
Vanadium	ppm	0	0				
Silicon	ppm	<b>O</b> <1	O <1				



**HEAVY IRON INC** 370145 79 STREET EAST ALDERSYDE, AB CA TOL 0A0 Contact: Service Manager

T:

F:

#### 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.1 ultra-lowsulfur diesel fuel (US EPA/CGSB-3.517-3 type A).

Depot: **HEAALD** Unique No: 5564565 Signed: Kevin Marson Report Date: 21 Apr 2023

# LIEBHERR

CONSTRUCTION EQUIPMENT





### **Graphs**

