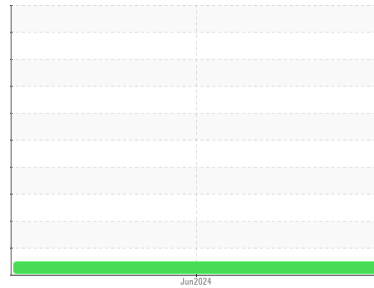




Area
[ASTRO WELDING]
 Machine Id
LIEBHERR LTM1070-4.2 085768
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)



DIAGNOSIS

Recommendation
 No corrective action is recommended at this time.

Corrosion
 All metal levels are normal indicating no corrosion in the system.

Contaminants
 The water content is negligible. There is no indication of any contamination in the fuel.

Fuel Condition
 The condition of the fuel is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			LH0291508	---	---
Sample Date	Client Info			11 Jun 2024	---	---
Machine Age	hrs	Client Info		4082	---	---
Sample Status				NORMAL	---	---



PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	3.0	2.4	---	---

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	10	0	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	---	---
Sodium	ppm	ASTM D5185m	<0.1	0	---	---
Potassium	ppm	ASTM D5185m	<0.1	1	---	---
Water	%	ASTM D6304	<0.05	0.003	---	---
ppm Water	ppm	ASTM D6304	<500	31	---	---

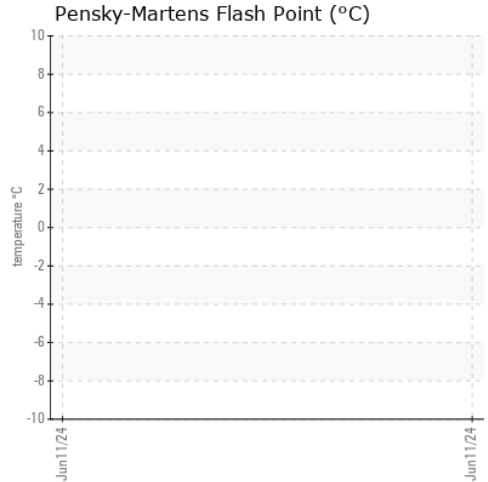
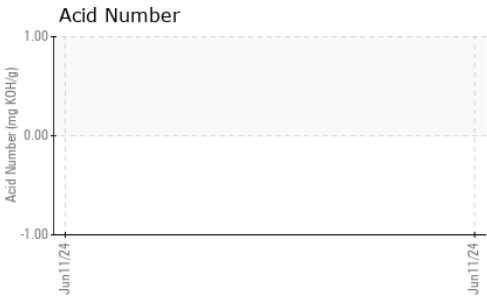
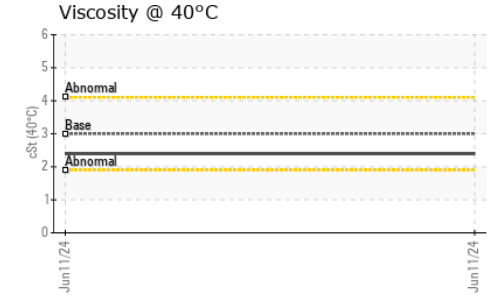
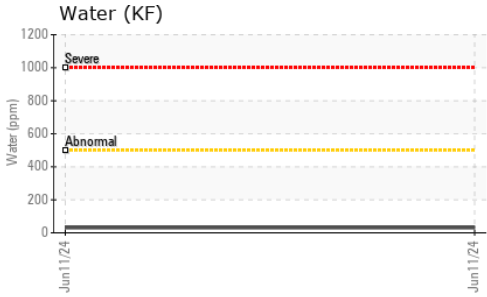
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	2	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	<1	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	0	---	---
Zinc	ppm	ASTM D5185m	<0.1	0	---	---

SAMPLE IMAGES

		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

FUEL REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LH0291508 **Received** : 21 Jun 2024
Lab Number : 06217653 **Tested** : 25 Jun 2024
Unique Number : 11090517 **Diagnosed** : 25 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, SCREEN)

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4800 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: AUGAY ALUZRY
 AUGAY.ALUZRY@LIEBHERR.COM
 T: (757)933-2015
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)