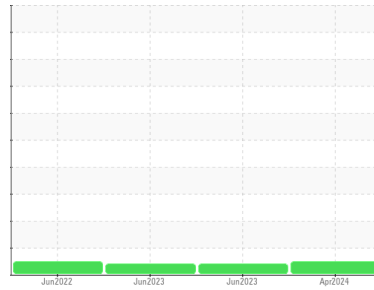




FUEL REPORT

Sample Rating Trend



NORMAL



Machine Id
LIEBHERR 1300 CR-3317 (S/N 138-408)
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. 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			WC0922181	WC0746648	WC0810383
Sample Date	Client Info			08 Apr 2024	15 Jun 2023	13 Jun 2023
Machine Age	hrs	Client Info		10234	9039	9021
Sample Status				NORMAL	ABNORMAL	ABNORMAL

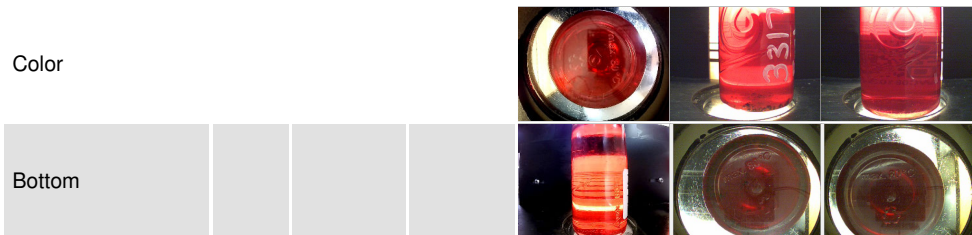
PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	3.0	2.76	2.63	2.6

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

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	0	0	<1
Sodium	ppm	ASTM D5185m	<0.1	0	0	1
Potassium	ppm	ASTM D5185m	<0.1	<1	0	0
Water	%	ASTM D6304	<0.05	0.002	0.005	0.004
ppm Water	ppm	ASTM D6304	<500	19	54.2	45.3

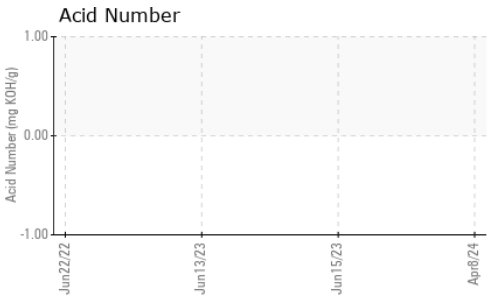
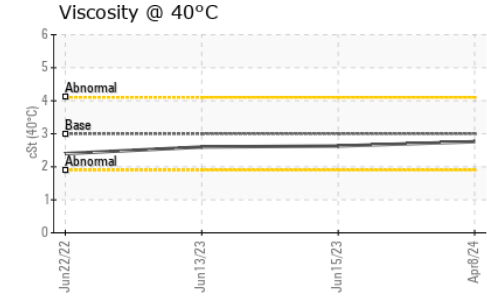
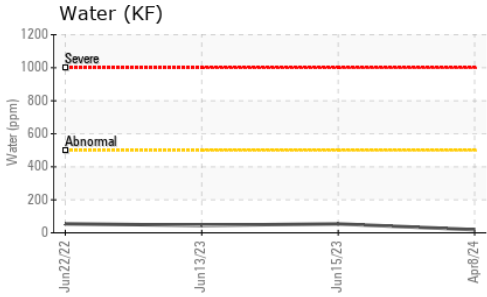
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	<0.1	1	0	<1
Nickel	ppm	ASTM D5185m	<0.1	<1	0	<1
Lead	ppm	ASTM D5185m	<0.1	1	0	<1
Vanadium	ppm	ASTM D5185m	<0.1	<1	0	<1
Iron	ppm	ASTM D5185m	<0.1	<1	0	<1
Calcium	ppm	ASTM D5185m	<0.1	4	0	0
Magnesium	ppm	ASTM D5185m	<0.1	<1	0	5
Phosphorus	ppm	ASTM D5185m	<0.1	2	0	0
Zinc	ppm	ASTM D5185m	<0.1	0	0	2

SAMPLE IMAGES		method	limit/base	current	history1	history2
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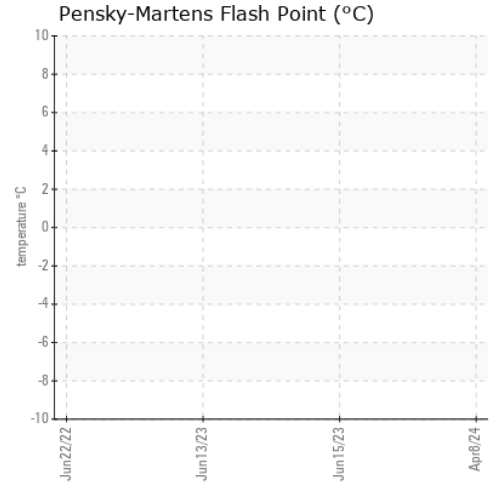




FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0922181 **Received** : 11 Apr 2024
Lab Number : **06146844** **Tested** : 16 Apr 2024
Unique Number : 10976922 **Diagnosed** : 16 Apr 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF)

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)

BUCKNER - WILLIS
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 WILLIS, TX
 US 77378

Contact: JOHN HAWKINS
 johnh@bucknercompanies.com

T:
 F: