



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
FUEL CONDITION	ATTENTION

Machine Id
HC-2205
 Component
Diesel Fuel
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check for the source of water (DEF) entry. Recommend drain fuel if not already done and flush before refilling with fuel.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0873366	WC0873313	WC0720697
Sample Date		Client Info		10 Jan 2024	10 Jan 2024	20 Sep 2022
Machine Age	hrs	Client Info		7825	7825	6950
Sample Status				ABNORMAL	NORMAL	NORMAL

CORROSION

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

Aluminum	ppm	ASTM D5185m	<0.1	<1	0	0
Nickel	ppm	ASTM D5185m	<0.1	<1	<1	0
Lead	ppm	ASTM D5185m	<0.1	0	0	0
Vanadium	ppm	ASTM D5185m	<0.1	0	0	0
Iron	ppm	ASTM D5185m	<0.1	0	0	0

CONTAMINANTS

Excessive free water present. Testing indicates DEF.

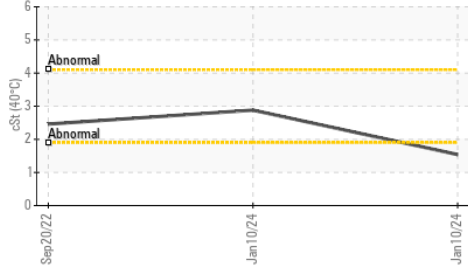
Silicon	ppm	ASTM D5185m	<1.0	<1	0	0
Sodium	ppm	ASTM D5185m	<0.1	<1	<1	0
Potassium	ppm	ASTM D5185m	<0.1	0	0	0
Water	%	ASTM D6304	<0.05	0.003	0.004	0.003
ppm Water	ppm	ASTM D6304	<500	39	43	28.8
Calcium	ppm	ASTM D5185m	<0.1	1	1	<1
Magnesium	ppm	ASTM D5185m	<0.1	<1	<1	0
Phosphorus	ppm	ASTM D5185m	<0.1	0	0	2
Zinc	ppm	ASTM D5185m	<0.1	0	0	0

FUEL CONDITION

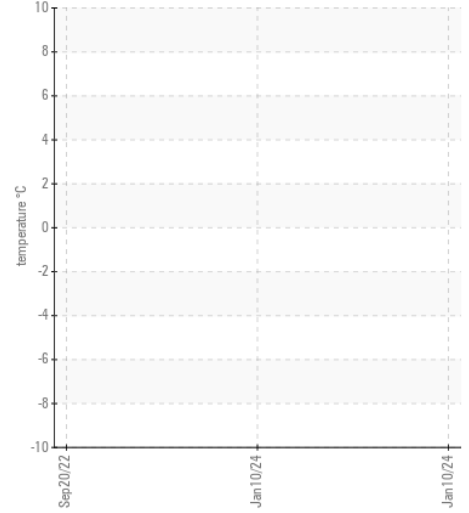
The fuel is no longer serviceable due to the presence of contaminants.

Visc @ 40°C	cSt	ASTM D445		▲ 1.54	2.88	2.46
Sulfur	ppm	ASTM D5185m		0	0	13

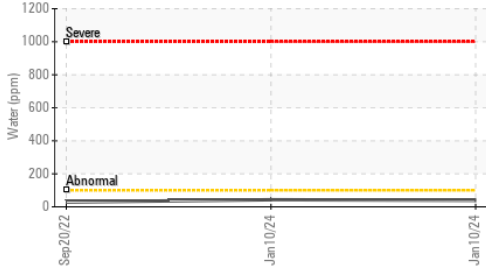
▲ Viscosity @ 40°C



Pensky-Martens Flash Point (°C)



Water (KF)



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0873366 **Received** : 30 Jan 2024
Lab Number : 06074279 **Tested** : 12 Feb 2024
Unique Number : 10856370 **Diagnosed** : 12 Feb 2024 - Doug Bogart
Test Package : CONST (Additional Tests: Bacteria, COOL, 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)

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