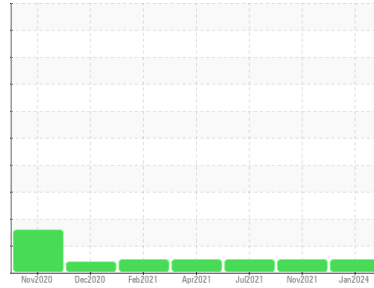




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
INTERNATIONAL 91

Component
Diesel Engine

Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0838328	WC0557956	WC0557957
Sample Date	Client Info		26 Jan 2024	14 Nov 2021	13 Jul 2021
Machine Age	mls	Client Info	575390	704313	683550
Oil Age	mls	Client Info	10000	0	0
Oil Changed	Client Info		Changed	N/A	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.0	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	13	25	14
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	3	4	0
Lead	ppm	ASTM D5185m	>40	7	<1	<1
Copper	ppm	ASTM D5185m	>330	1	2	<1
Tin	ppm	ASTM D5185m	>15	3	<1	<1
Antimony	ppm	ASTM D5185m		---	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	66	42	121
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	58	8	4
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	814	128	28
Calcium	ppm	ASTM D5185m		1131	2286	1991
Phosphorus	ppm	ASTM D5185m		998	1085	900
Zinc	ppm	ASTM D5185m		1190	1263	1033
Sulfur	ppm	ASTM D5185m		3383	2860	2976

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	14	9	4
Sodium	ppm	ASTM D5185m		3	4	6
Potassium	ppm	ASTM D5185m	>20	6	18	7

INFRA-RED

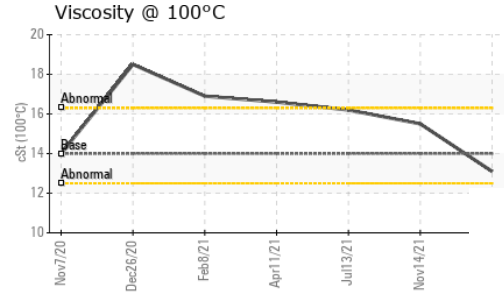
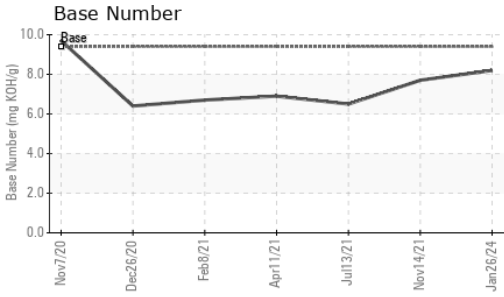
	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.1	0.7	0.8
Nitration	Abs/cm	*ASTM D7624	>20	9.9	8.9	10
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	23.8	24.8

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2	17.5	19.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.2	7.7	6.5



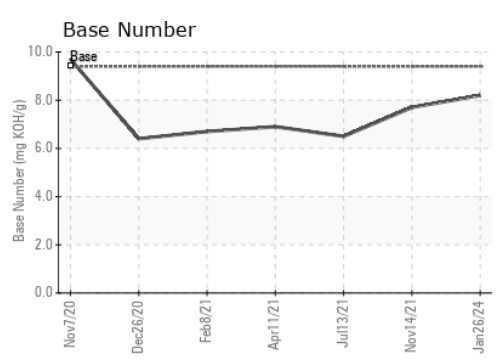
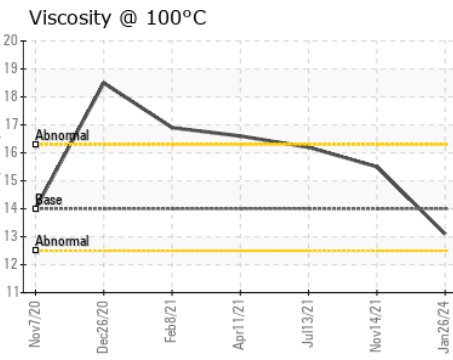
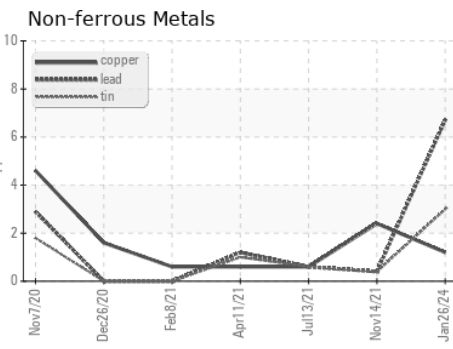
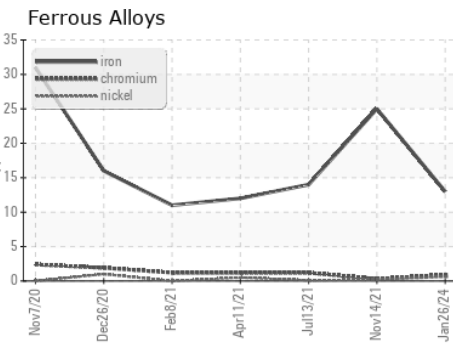
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14	13.1	15.5	16.2

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0838328 **Received** : 30 Jan 2024
Lab Number : **06073642** **Diagnosed** : 30 Jan 2024
Unique Number : 10850319 **Diagnostician** : Wes Davis
Test Package : FLEET

KENNY IRWIN
 425 HANCOCK HAVEN RD
 CHATHAM, LA
 US 71226
 Contact: SERVICE MANAGER
 HAMMER0262@ICLOUD.COM
 T: (318)278-1817
 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)