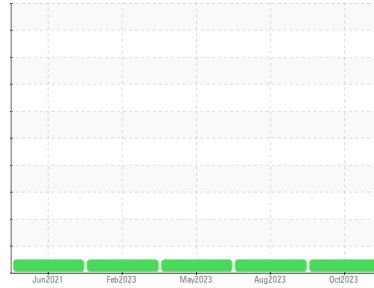




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
814BL
 Component
Diesel Engine
 Fluid
NOT GIVEN (--- GAL)

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		IL06009314	IL05934009	IL05887753
Sample Date	Client Info		17 Oct 2023	01 Aug 2023	10 May 2023
Machine Age	mls	Client Info	74793	71744	68221
Oil Age	mls	Client Info	15000	8000	15000
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	7	7	9
Chromium	ppm	ASTM D5185m >20	<1	<1	<1
Nickel	ppm	ASTM D5185m >4	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >3	0	<1	0
Aluminum	ppm	ASTM D5185m >20	3	5	1
Lead	ppm	ASTM D5185m >40	1	0	1
Copper	ppm	ASTM D5185m >330	1	1	1
Tin	ppm	ASTM D5185m >15	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	56	52
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	40	44	46
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	488	538	484
Calcium	ppm	ASTM D5185m	1612	1732	1643
Phosphorus	ppm	ASTM D5185m	740	781	738
Zinc	ppm	ASTM D5185m	899	942	910
Sulfur	ppm	ASTM D5185m	2467	3081	2831

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	5	6	5
Sodium	ppm	ASTM D5185m	3	3	2
Potassium	ppm	ASTM D5185m >20	<1	<1	1
Fuel	%	ASTM D3524 >5	<1.0	<1.0	<1.0

INFRA-RED

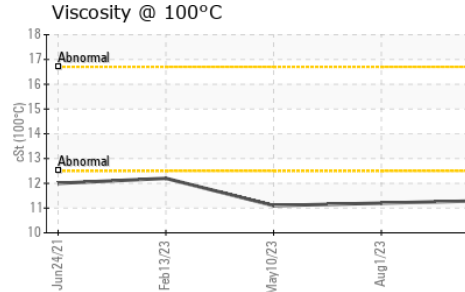
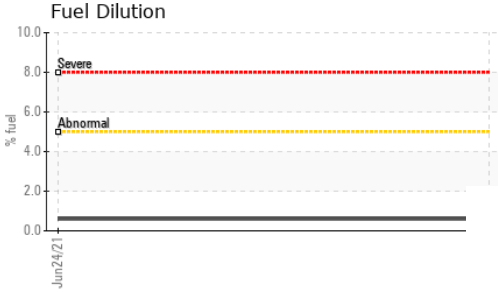
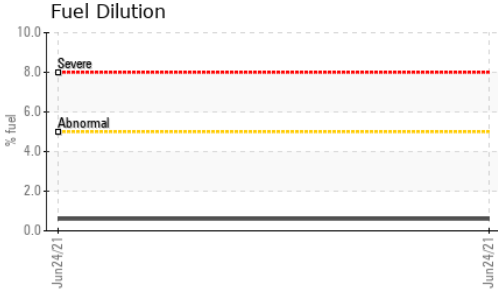
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.7	0.4	0.5
Nitration	Abs/cm	*ASTM D7624 >20	9.1	7.1	7.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	22.4	21.7	22.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	20.7	19.7	21.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	10.1	10.4



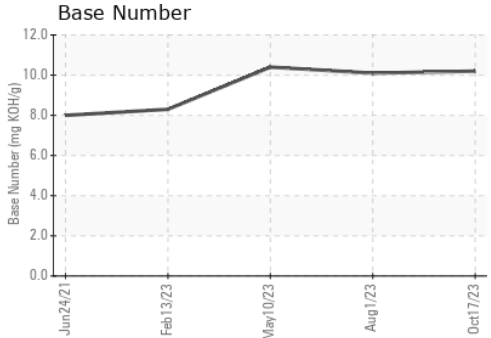
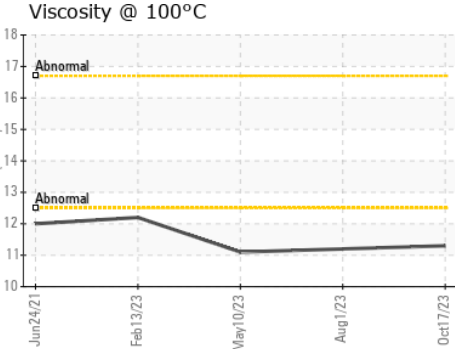
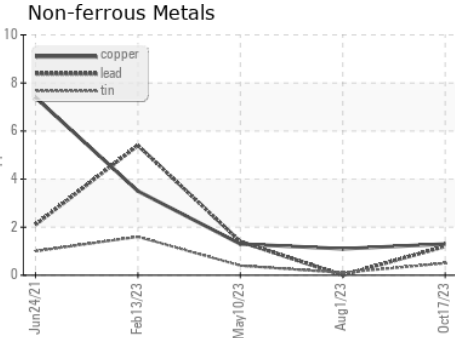
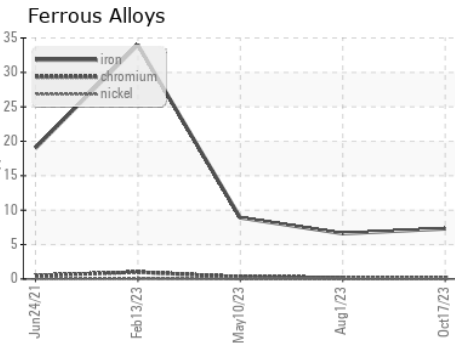
OIL ANALYSIS REPORT



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	11.3	11.2	11.1

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL06009314 **Received** : 16 Nov 2023
Lab Number : **06009314** **Diagnosed** : 19 Nov 2023
Unique Number : 10743076 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: FuelDilution)

IDEALEASE OF ATLANTA - FULTON
 4675 BAKERS FERRY ROAD
 ATLANTA, GA
 US 30331
 Contact: DAVID JOHNS
 davidjohns@idealease.com
 T: (404)699-5571
 F: (404)699-7420

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)