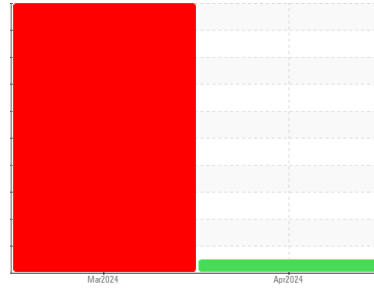




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DOOSAN 135-83 (S/N 002)
 Component
1 Natural Gas Engine
 Fluid
NOT GIVEN (80 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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			KL0011516	KL0012996	---
Sample Date	Client Info			19 Apr 2024	12 Mar 2024	---
Machine Age	hrs	Client Info		27446	26609	---
Oil Age	hrs	Client Info		895	990	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	SEVERE	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	43	---
Chromium	ppm	ASTM D5185m	>4	<1	2	---
Nickel	ppm	ASTM D5185m	>2	<1	0	---
Titanium	ppm	ASTM D5185m		52	155	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>9	3	▲ 16	---
Lead	ppm	ASTM D5185m	>30	4	▲ 138	---
Copper	ppm	ASTM D5185m	>35	2	6	---
Tin	ppm	ASTM D5185m	>4	<1	2	---
Vanadium	ppm	ASTM D5185m		<1	1	---
Cadmium	ppm	ASTM D5185m		<1	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		113	203	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		7	26	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		41	100	---
Calcium	ppm	ASTM D5185m		1780	5245	---
Phosphorus	ppm	ASTM D5185m		488	1060	---
Zinc	ppm	ASTM D5185m		516	1344	---
Sulfur	ppm	ASTM D5185m		2888	4160	---

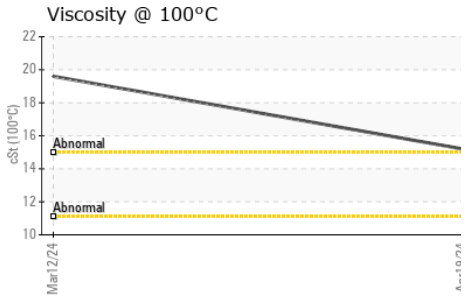
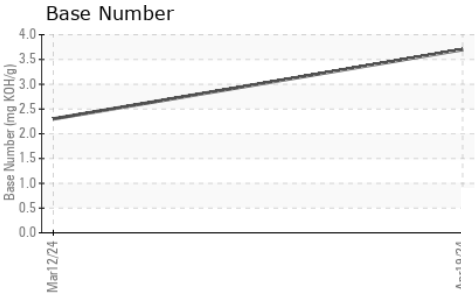
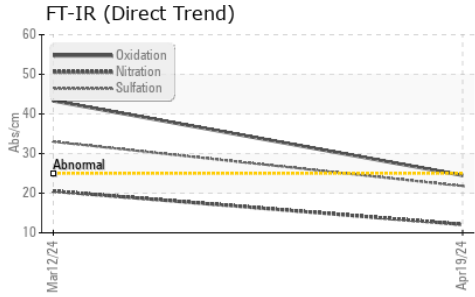
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	17	---
Sodium	ppm	ASTM D5185m		3	20	---
Potassium	ppm	ASTM D5185m	>20	3	18	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	12.1	20.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	33.0	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.5	43.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		3.7	▲ 2.3	---



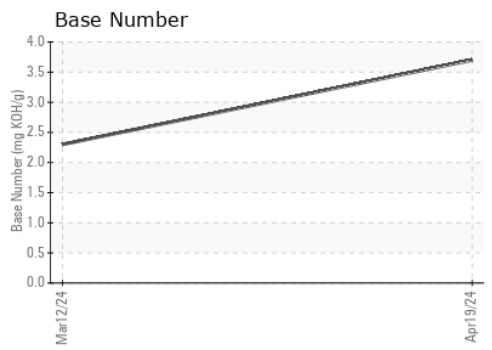
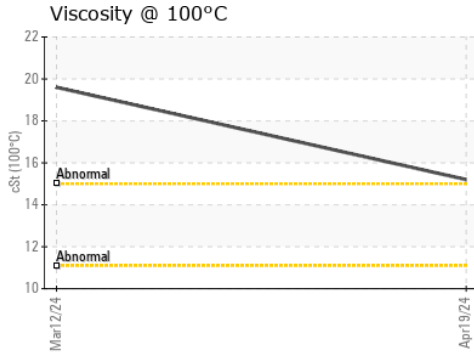
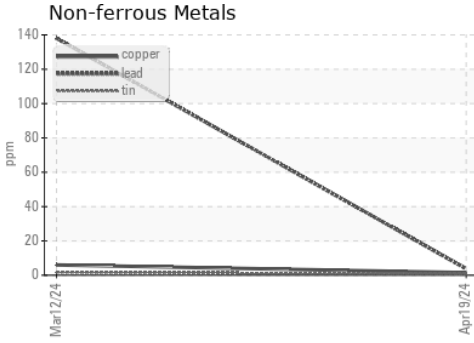
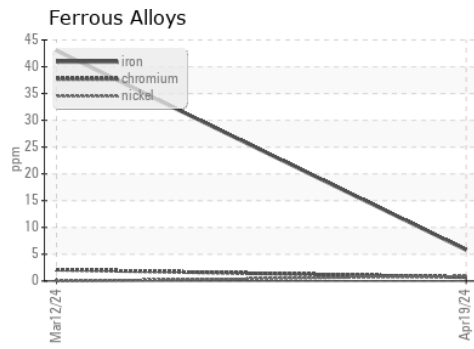
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.2	▲ 19.6	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0011516 **Received** : 25 Apr 2024
Lab Number : 06161138 **Tested** : 29 Apr 2024
Unique Number : 10996561 **Diagnosed** : 29 Apr 2024 - Sean Felton
Test Package : FLEET

BASELINE ENERGY SOLUTIONS
 1863 2ND AVE
 GREENLEY, CO
 US 80631
 Contact: CARLOS PUENTES

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)

T: (720)670-1616
F: