



# WEAR CHECK

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

### 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.

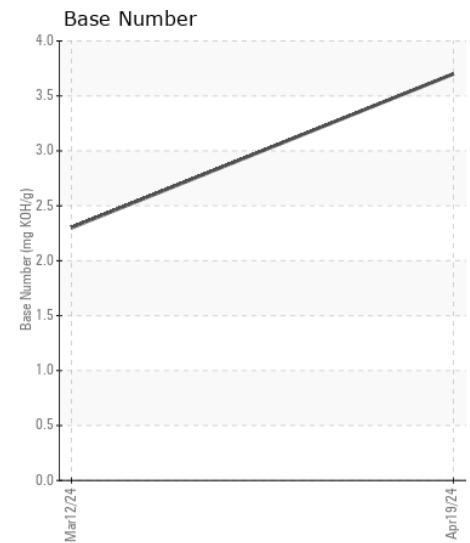
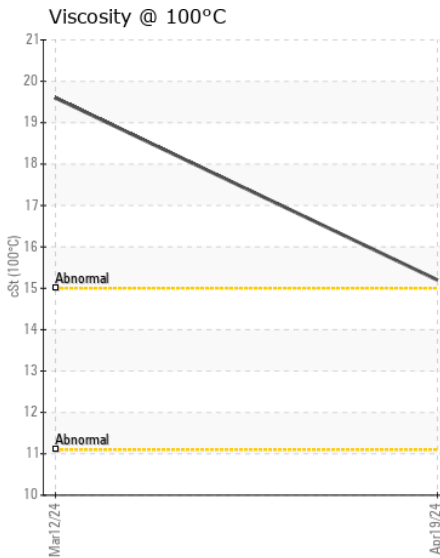
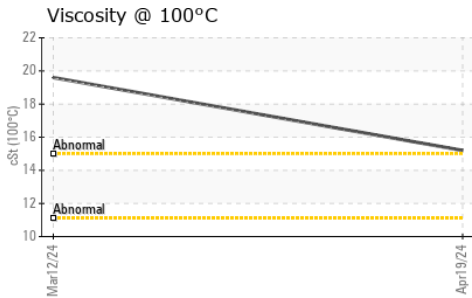
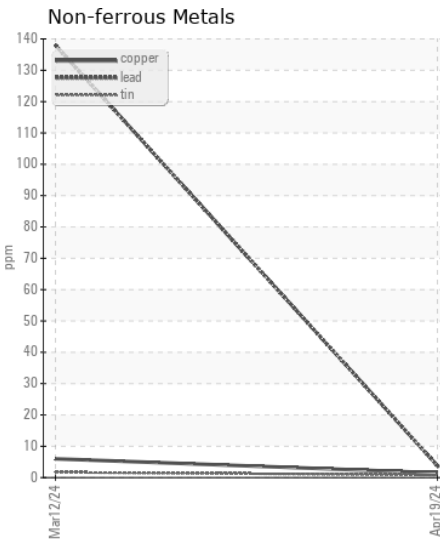
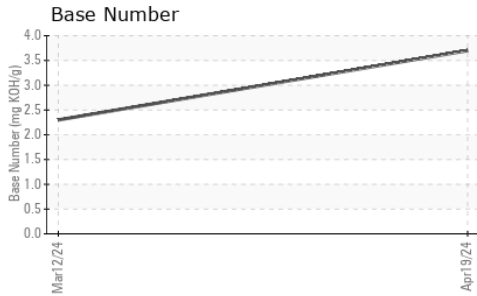
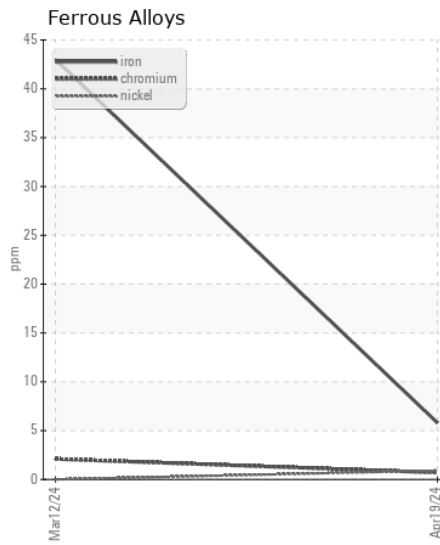
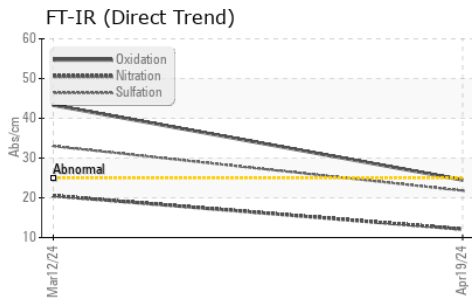
### CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KL0011516</b>	KL0012996	---
Sample Date		Client Info		<b>19 Apr 2024</b>	12 Mar 2024	---
Machine Age	hrs	Client Info		<b>27446</b>	26609	---
Oil Age	hrs	Client Info		<b>895</b>	990	---
Filter Age	hrs	Client Info		<b>895</b>	990	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	SEVERE	---
Iron	ppm	ASTM D5185m	>50	<b>6</b>	43	---
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>52</b>	155	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>3</b>	▲ 16	---
Lead	ppm	ASTM D5185m	>30	<b>4</b>	▲ 138	---
Copper	ppm	ASTM D5185m	>35	<b>2</b>	6	---
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>+100	<b>4</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	18	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.1</b>	20.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	33.0	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185m		<b>3</b>	20	---
Boron	ppm	ASTM D5185m		<b>113</b>	203	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>7</b>	26	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>41</b>	100	---
Calcium	ppm	ASTM D5185m		<b>1780</b>	5245	---
Phosphorus	ppm	ASTM D5185m		<b>488</b>	1060	---
Zinc	ppm	ASTM D5185m		<b>516</b>	1344	---
Sulfur	ppm	ASTM D5185m		<b>2888</b>	4160	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>24.5</b>	43.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>3.7</b>	▲ 2.3	---
Visc @ 100°C	cSt	ASTM D445		<b>15.2</b>	▲ 19.6	---



Certificate L2367

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

**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: