

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[SCRUGGS CONCRETE]
 Machine Id
JOHN DEERE 444P 464 (S/N PLX18899)
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)

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		PCA0124970	---	---
Sample Date	Client Info		18 May 2024	---	---
Machine Age	hrs Client Info		1081	---	---
Oil Age	hrs Client Info		490	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.1	<1.0	---	---
Water	WC Method	>0.21	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>51	17	---	---
Chromium	ppm ASTM D5185m	>11	<1	---	---
Nickel	ppm ASTM D5185m	>5	0	---	---
Titanium	ppm ASTM D5185m		2	---	---
Silver	ppm ASTM D5185m	>3	0	---	---
Aluminum	ppm ASTM D5185m	>31	2	---	---
Lead	ppm ASTM D5185m	>26	<1	---	---
Copper	ppm ASTM D5185m	>26	18	---	---
Tin	ppm ASTM D5185m	>4	<1	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		15	---	---
Barium	ppm ASTM D5185m		0	---	---
Molybdenum	ppm ASTM D5185m		83	---	---
Manganese	ppm ASTM D5185m		1	---	---
Magnesium	ppm ASTM D5185m		972	---	---
Calcium	ppm ASTM D5185m		1143	---	---
Phosphorus	ppm ASTM D5185m		987	---	---
Zinc	ppm ASTM D5185m		1253	---	---
Sulfur	ppm ASTM D5185m		3425	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>22	4	---	---
Sodium	ppm ASTM D5185m	>31	1	---	---
Potassium	ppm ASTM D5185m	>20	1	---	---

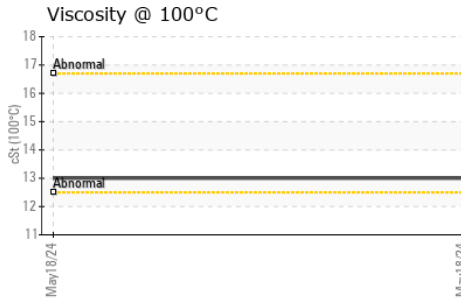
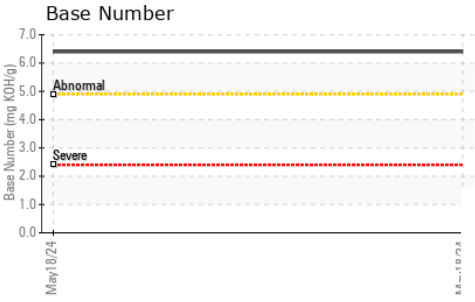
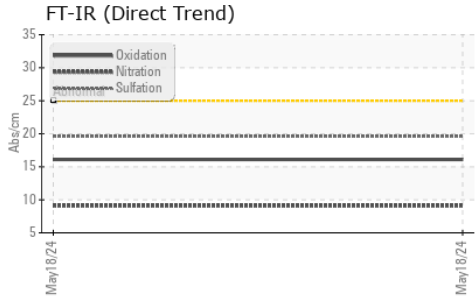
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	0.2	---	---
Nitration	Abs/cm *ASTM D7624	>20	9.1	---	---
Sulfation	Abs/.1mm *ASTM D7415	>30	19.6	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	16.1	---	---
Base Number (BN)	mg KOH/g ASTM D2896		6.4	---	---

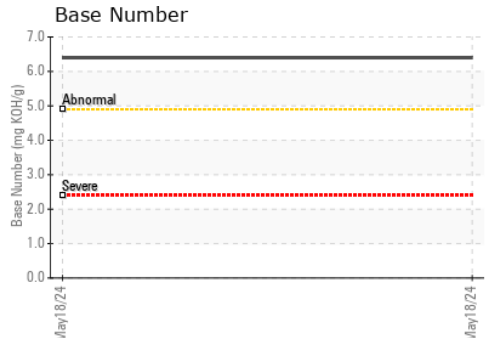
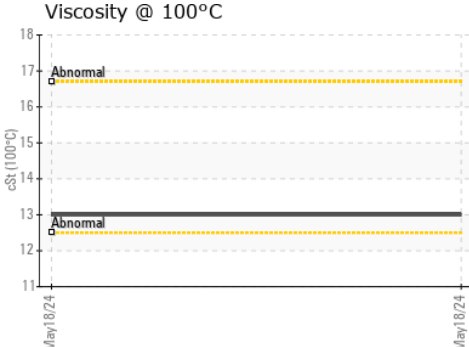
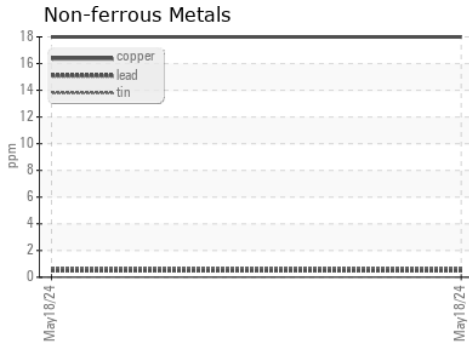
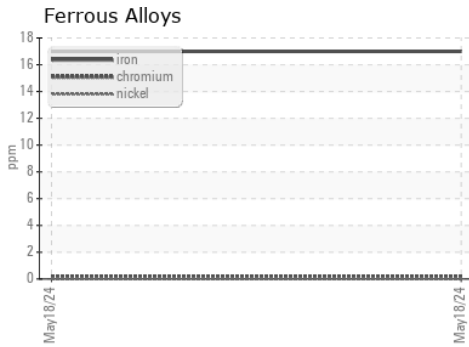
OIL ANALYSIS REPORT



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	>0.21	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.0	---	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0124970 **Received** : 24 May 2024
Lab Number : **06191707** **Tested** : 29 May 2024
Unique Number : 11048459 **Diagnosed** : 29 May 2024 - Wes Davis
Test Package : FLEET

SCRUGGS CONCRETE CO
 807 RIVER ST
 VALDOSTA, GA
 US 31601
 Contact: D ALTMAN
 DALTMAN@SCRUGGSCONCRETE.COM

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:
F: