

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

121904 - JOHN DEERE 324E

Diesel Engine

PETRO CANADA DURON ADVANCED 10W

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

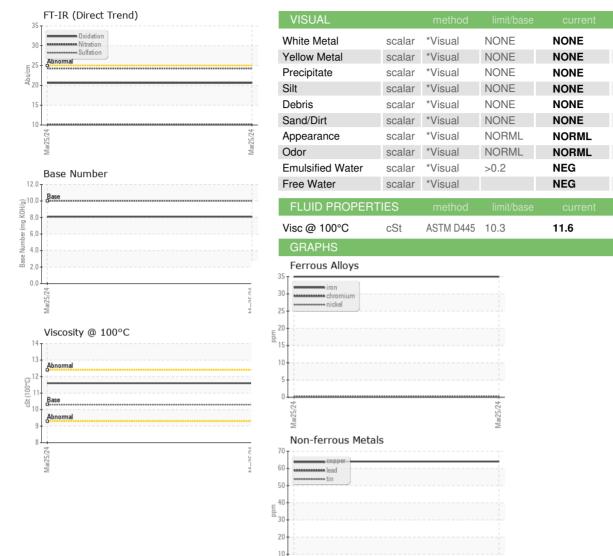
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

30 (GAL)						
	AATION			Mar2024	le teste a se ad	h:-10
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0006414		
Sample Date		Client Info		25 Mar 2024		
Machine Age	hrs	Client Info		539		
Oil Age	hrs	Client Info		539		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	35		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	5		
_ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	64		
Γin	ppm	ASTM D5185m	>15	0		
√anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	159		
Barium	ppm	ASTM D5185m	0	1		
Molybdenum	ppm	ASTM D5185m	60	225		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	733		
Calcium	ppm	ASTM D5185m	1070	1737		
Phosphorus	ppm	ASTM D5185m	1150	848		
Zinc	ppm	ASTM D5185m	1270	1051		
Sulfur	ppm	ASTM D5185m	2060	3657		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	45		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Vitration	Abs/cm	*ASTM D7624	>20	10.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6		
Base Number (BN)	mg KOH/g	ASTM D2896	10.0	8.1		
(2/1)						



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

: SBP0006414 Lab Number : 06135565 Unique Number : 10955030 Test Package : FLEET

(100°C) Š

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Apr 2024 **Tested**

Viscosity @ 100°C

Diagnosed

: 02 Apr 2024 : 04 Apr 2024 - Sean Felton

Base Number

12.

0.0

(mg K0H/g

Constructors Inc. - 603659 1815 Y Street Lincoln, NE

US 68508 Contact: Loren Michael

T: (402)434-2157

To discuss this sample report, contact Customer Service at 1-800-237-1369. LorenM@constructorslincoln.com * - 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)

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