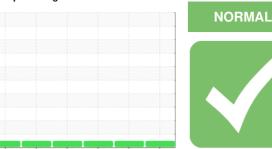


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

JOHN DEERE 243

Rear Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (16 QTS)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

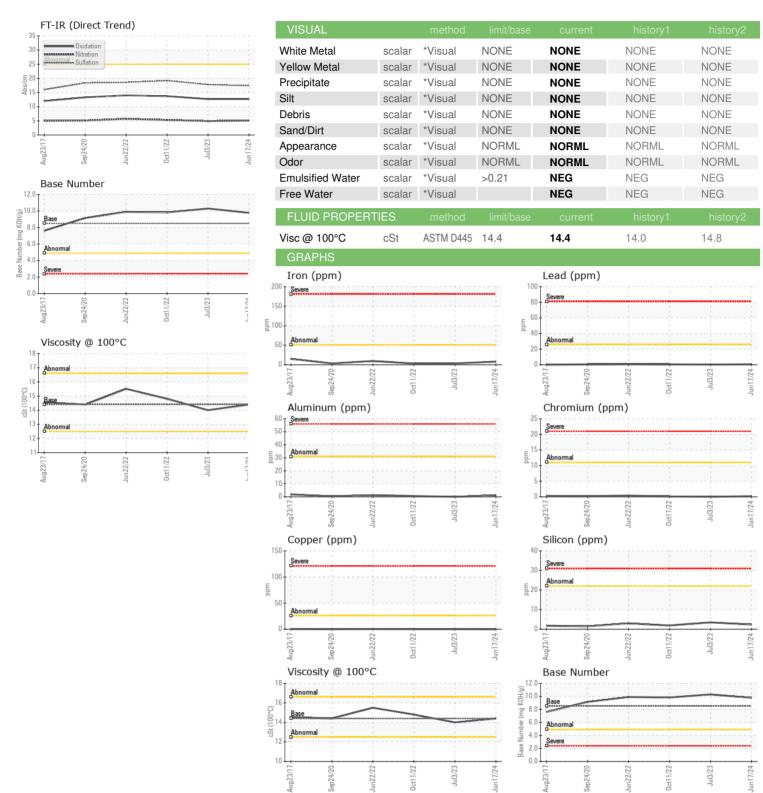
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Aug2017	Sep2020 Jun2022	. Oct2022 Jul2023	Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005207	RW0004289	RW0003953
Sample Date		Client Info		17 Jun 2024	03 Jul 2023	11 Oct 2022
Machine Age	hrs	Client Info		0	2418	2383
Oil Age	hrs	Client Info		116	35	42
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	8	3	3
Chromium	ppm	ASTM D5185m	>11	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>31	1	0	<1
Lead	ppm	ASTM D5185m	>26	<1	<1	<1
Copper	ppm	ASTM D5185m	>26	0	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	5	9	6
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	63	69	57
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	450	979	879	915
Calcium	ppm	ASTM D5185m	3000	1209	1132	1095
Phosphorus	ppm	ASTM D5185m	1150	1087	1025	1036
Zinc	ppm	ASTM D5185m	1350	1267	1182	1227
Sulfur	ppm	ASTM D5185m	4250	3839	3222	3785
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	2	4	2
Sodium	ppm	ASTM D5185m	>158	2	0	0
Potassium	ppm	ASTM D5185m	>20	1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.3	0.4
Nitration	Abs/cm	*ASTM D7624		5.1	4.9	5.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.4	17.8	19.2
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.7	12.7	13.7
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.77	10.30	9.82



OIL ANALYSIS REPORT







Sample No.

: RW0005207 Lab Number : 06220428 Unique Number: 11098625

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 26 Jun 2024

Diagnosed : 26 Jun 2024 - Wes Davis

Test Package : MOB 2 Certificate 12367 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)

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