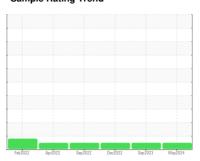


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **JOHN DEERE 117**

Diesel Engine

MOBIL 15W40 (--- 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

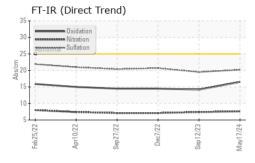
Fluid Condition

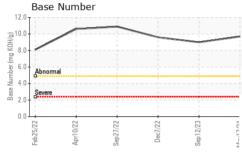
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

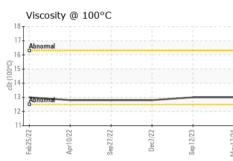
		Feb2022	Apr2022 Sep2022	Dec2022 Sep2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0172217	JR0172456	JR0117937
Sample Date		Client Info		17 May 2024	12 Sep 2023	07 Dec 2022
Machine Age	hrs	Client Info		7263	5833	3768
Oil Age	hrs	Client Info		500	500	500
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	39	38	23
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	2	5	3
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>31	2	2	1
Lead	ppm	ASTM D5185m	>26	0	<1	<1
Copper	ppm	ASTM D5185m	>26	<1	3	1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		14	1	7
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		50	63	54
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		813	989	885
Calcium	ppm	ASTM D5185m		1397	1236	1359
Phosphorus	ppm	ASTM D5185m		1056	1059	991
Zinc	ppm	ASTM D5185m		1254	1335	1248
Sulfur	ppm	ASTM D5185m		3705	3536	3888
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	5	2	4
Sodium	ppm	ASTM D5185m	>118	2	<1	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6	0.7	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.6	7.4	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	19.5	20.7
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	14.2	14.5
Base Number (BN)	mg KOH/g	ASTM D2896		9.7	9.0	9.6



OIL ANALYSIS REPORT



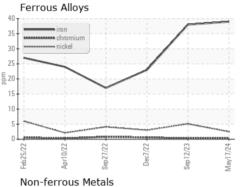


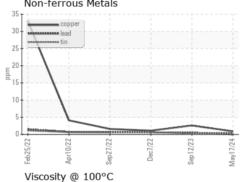


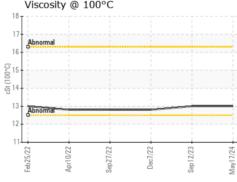
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

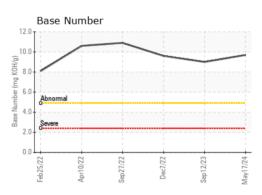
FLUID PROPER	RTIES	method			history2
Visc @ 100°C	cSt	ASTM D445	13.0	13.0	12.8

GRAPHS













Sample No.

: JR0172217 Lab Number : 06196452 Unique Number : 11058575

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 31 May 2024 : 03 Jun 2024 : 03 Jun 2024 - Wes Davis

7601 GENERAL MAHONE HWY WAVERLY, VA

US 23890 Contact: JW

jerald.tappiii@scotts.com

SCOTTS EARTH GROW

Test Package : CONST (Additional Tests: TBN) 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. T: (804)834-3986 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)834-3989