

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





Machine Id JOHN DEERE 770GP - CLATONIA 32164 (S/N 1DW770GPKLF708285) Diesel Engine

Fluid AMERIGUARD 10W30 (30 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

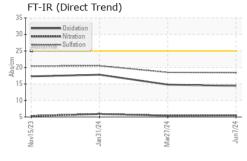
Fluid Condition

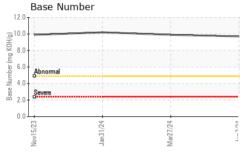
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

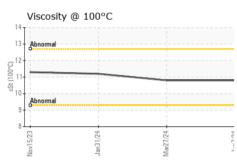
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007477	SBP0006753	SBP0006407
Sample Date		Client Info		07 Jun 2024	27 Mar 2024	31 Jan 2024
Machine Age	hrs	Client Info		3875	3628	3376
Oil Age	hrs	Client Info		247	252	386
Oil Changed		Client Info		Changed	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	7 0.2	NEG	NEG	NEG
WEAR METALS			line it /le e e e			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	4	6	10
Chromium	ppm	ASTM D5185m		<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>31	2	<1	1
Lead	ppm	ASTM D5185m	>26	0	0	<1
Copper	ppm	ASTM D5185m	>26	<1	0	1
Tin	ppm	ASTM D5185m	>4	0	0	<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		11	11	27
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		58	62	47
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		921	973	728
Calcium	ppm	ASTM D5185m		1109	1242	1422
Phosphorus	ppm	ASTM D5185m		940	1051	887
Zinc	ppm	ASTM D5185m		1290	1239	1081
Sulfur	ppm	ASTM D5185m		3112	3744	2826
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	2	2	3
Sodium	ppm	ASTM D5185m	>31	<1	1	1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.5	5.4	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	18.5	20.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	14.8	17.8
Base Number (BN)	mg KOH/g	ASTM D2896		9.7	9.9	10.2
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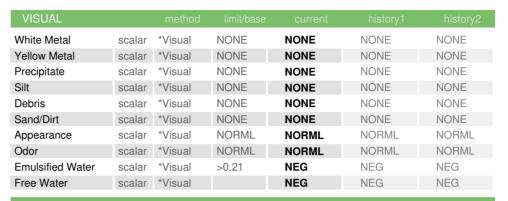


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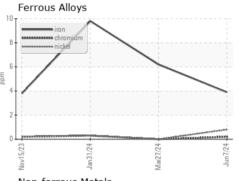


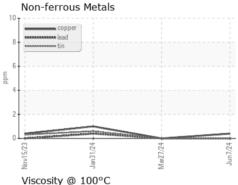


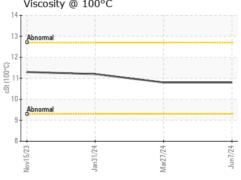


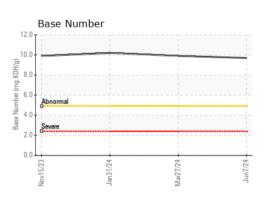
FLUID PROPERTIES		method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445		10.8	10.8	11.2

GRAPHS













Certificate 12367

Laboratory

Sample No. : SBP0007477 Lab Number : 06221025 Unique Number : 11099222

Test Package : FLEET

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

: 27 Jun 2024 Diagnosed : 27 Jun 2024 - Wes Davis

GAGE COUNTY HIGHWAY DEPARTMENT

823 SOUTH 8TH ST BEATRICE, NE US 68310

Contact: MARK KUHNKE mkuhnke@gagecountyne.gov

T: (402)223-1395 F: (402)223-1351

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)