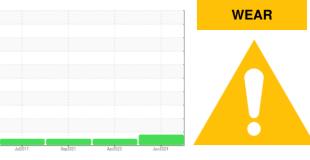


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

JOHN DEERE 7830 740833 (S/N RW7830A004615) Diesel Engine

Fluid CASTROL 15W40 (7 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

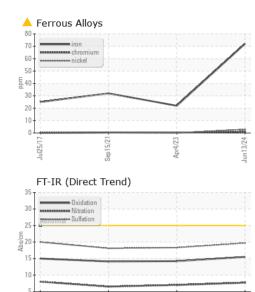
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

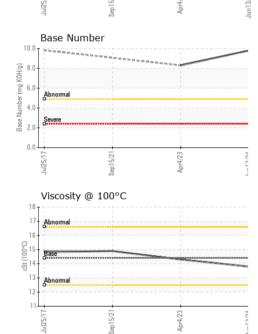
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0101002	PCA0091972	PCA0054492	
Sample Date		Client Info		13 Jun 2024	04 Apr 2023	15 Sep 2021	
Machine Age	hrs	Client Info		11730	10616	9962	
Oil Age	hrs	Client Info		114	369	419	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				ABNORMAL	NORMAL	NORMAL	
CONTAMINATI	ON	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	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>51	<u> </u>	22	32	
Chromium	ppm	ASTM D5185m	>11	1	<1	<1	
Nickel	ppm	ASTM D5185m	>5	3	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	0	
Silver	ppm	ASTM D5185m	>3	0	0	<1	
Aluminum	ppm	ASTM D5185m	>31	4	<1	<1	
Lead	ppm	ASTM D5185m	>26	<1	<1	<1	
Copper	ppm	ASTM D5185m	>26	2	<1	<1	
Tin	ppm	ASTM D5185m	>4	<1	0	<1	
Antimony	ppm	ASTM D5185m				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		120	271	14	
Barium	ppm	ASTM D5185m		0	2	0	
Molybdenum	ppm	ASTM D5185m		73	235	58	
Manganese	ppm	ASTM D5185m		<1	<1	<1	
Magnesium	ppm	ASTM D5185m		1054	751	915	
Calcium	ppm	ASTM D5185m		1008	1364	1146	
Phosphorus	ppm	ASTM D5185m		996	845	1039	
Zinc	ppm	ASTM D5185m		1207	1033	1194	
Sulfur	ppm	ASTM D5185m		3162	3049	2786	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>22	6	8	3	
Sodium	ppm	ASTM D5185m	>406	2	0	3	
Potassium	ppm	ASTM D5185m	>20	7	4	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4	0.1	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	7.7	7.0	6.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	18.3	18.1	
FLUID DEGRAD		method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	14.2	14.1	
Base Number (BN)	mg KOH/g	ASTM D2896		9.8	8.3		
6:20:57) Rev: 1				Contact/Location: ROGER AMICK - SYNMOC			

Contact/Location: ROGER AMICK - SYNMOC

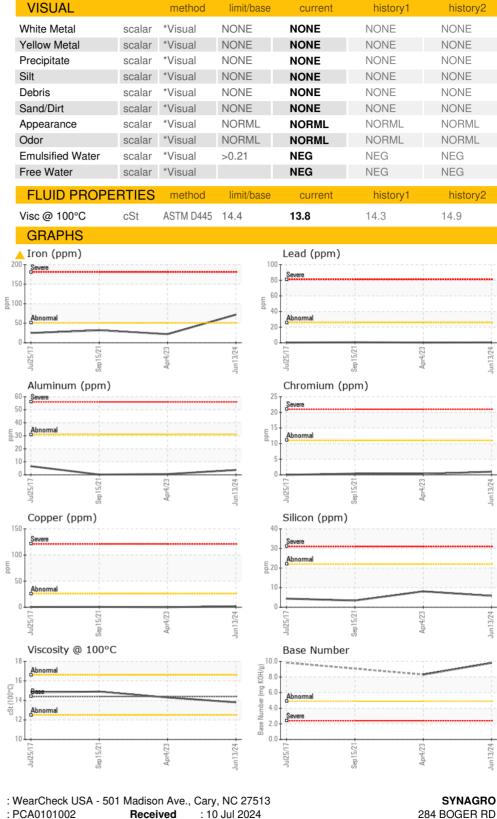


OIL ANALYSIS REPORT





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284 BOGER RD MOCKSVILLE, NC US 27028 Contact: ROGER AMICK ramick@synagro.com T: (336)998-7150 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)998-2155

Report Id: SYNMOC [WUSCAR] 06232000 (Generated: 07/15/2024 16:20:57) Rev: 1

Certificate 12367

Laboratory

Sample No.

Lab Number : 06232000

Unique Number : 11115493

Test Package : MOB 1 (Additional Tests: TBN)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Tested

Diagnosed

: 10 Jul 2024

: 11 Jul 2024 - Don Baldridge

Contact/Location: ROGER AMICK - SYNMOC