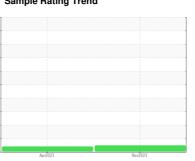


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 53-04L Component **Diesel Engine**

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

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

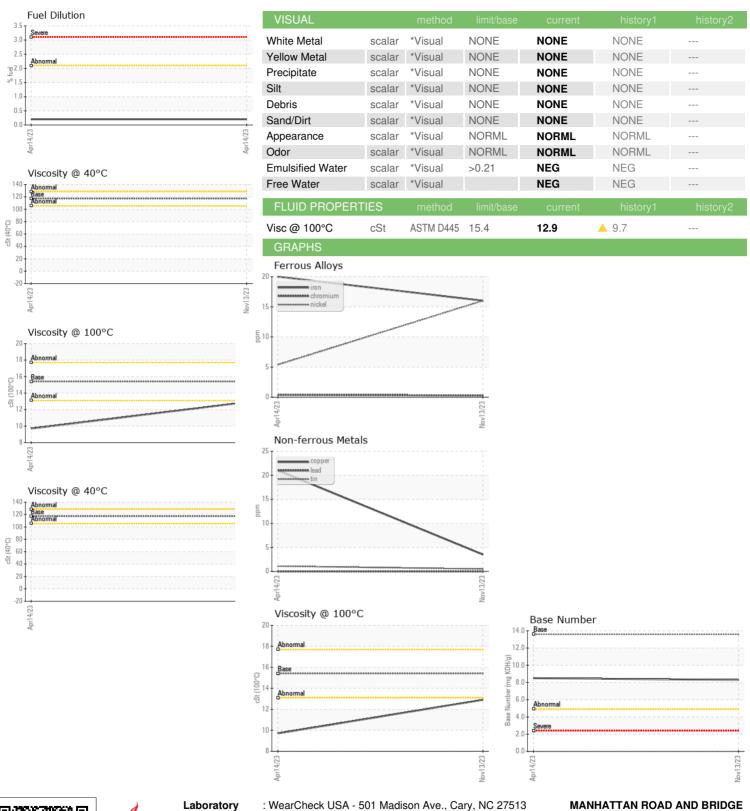
Fluid Condition

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

PLUS 50 II 15W40 (GAL)		Apr2023	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0793241	WC0793275	
Sample Date		Client Info		13 Nov 2023	14 Apr 2023	
Machine Age	hrs	Client Info		636	222	
Oil Age	hrs	Client Info		414	222	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ATTENTION	
CONTAMINATIO	V	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>51	16	20	
Chromium	ppm	ASTM D5185m	>11	<1	<1	
Nickel	ppm	ASTM D5185m		16	5	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	2	
Aluminum	ppm	ASTM D5185m		2	2	
Lead	ppm	ASTM D5185m	>26	0	0	
Copper	ppm	ASTM D5185m		4	21	
Tin	ppm	ASTM D5185m	>4	<1	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		81	288	
Barium	ppm	ASTM D5185m		0	1	
Molybdenum	ppm	ASTM D5185m		37	246	
Manganese	ppm	ASTM D5185m		<1	2	
Magnesium	ppm	ASTM D5185m		657	815	
Calcium	ppm	ASTM D5185m		1336	1387	
Phosphorus	ppm	ASTM D5185m		961	894	
Zinc	ppm	ASTM D5185m		1174	1081	
Sulfur	ppm	ASTM D5185m		3572	3673	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	4	8	
Sodium	ppm	ASTM D5185m		2	5	
Potassium	ppm	ASTM D5185m	>20	1	5	
Fuel	%	ASTM D3524	>2.1	<1.0	0.2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	7.2	6.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	18.6	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.8	14.6	
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.3	8.5	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0793241 : 06008803

Received Diagnosed : 10742565

: 15 Nov 2023 : 18 Nov 2023 Diagnostician : Don Baldridge MANHATTAN ROAD AND BRIDGE

5601 S 122ND E AVE TULSA, OK US 74146

Test Package : CONST (Additional Tests: FuelDilution, KV40, PercentFuel, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: BEN CALDWELL kevin.marson@wearcheck.com T: (918)728-5749

* - 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)

F: