

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

JOHN DEERE NELWELD 1

Diesel Engine Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 10W30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. 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. Viscosity of sample indicates oil is within SAE 10W30 range, advise investigate. The condition of the oil is suitable for further service.

				Nov2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0078873		
Sample Date		Client Info		17 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.21	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>51	23		
Chromium	ppm	ASTM D5185(m)	>11	<1		
Nickel	ppm	ASTM D5185(m)	>5	0		
Fitanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>31	4		
ead	ppm	ASTM D5185(m)	>26	9		
Copper	ppm	ASTM D5185(m)	>26	357		
-in	ppm	ASTM D5185(m)	>4	<1		
Antimony	ppm	ASTM D5185(m)		0		
/anadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		105		
Barium	ppm	ASTM D5185(m)		1		
Molybdenum	ppm	ASTM D5185(m)		187		
Manganese	ppm	ASTM D5185(m)		4		
Magnesium	ppm	ASTM D5185(m)		587		
Calcium	ppm	ASTM D5185(m)		1795		
Phosphorus	ppm	ASTM D5185(m)		867		
Zinc	ppm	ASTM D5185(m)		1024		
Sulfur	ppm	ASTM D5185(m)		2234		
_ithium	ppm	ASTM D5185(m)		<1		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>22	7		
Sodium	ppm	ASTM D5185(m)	>31	5		
Potassium	ppm	ASTM D5185(m)	>20	2		
Fuel	%	ASTM D7593*	>2.1	0.7		
Glycol	%	ASTM D7922*		0.0		
INFRA-RED		method	limit/base	current	history1	history2
	%	ASTM D7844*	>3	0.1		
Soot %	70	ACTIVI DTOTT				
Soot % Nitration	Abs/cm	ASTM D7624*		10.0		



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