

OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS

Machine Id

JOHN DEERE 624L 624L UNIT 11

Hydraulic System Fluid TDH FLUID SAE 75W80 (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

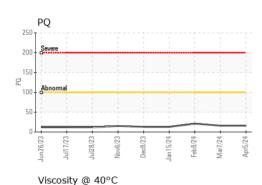
SAMPLE INFORMA		method	limit/base	current	history1	history2
Sample Number		Client Info		PE0003816	PE0003808	PE0003788
Sample Date		Client Info		05 Apr 2024	07 Mar 2024	08 Feb 2024
	nrs	Client Info		10468	10216	9962
	ns	Client Info		10468	9962	9902 9671
Oil Age Oil Changed	115	Client Info		N/A	9962 N/A	967 I N/A
-		Client into		ABNORMAL	NORMAL	NORMAL
Sample Status					-	-
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	16	21
Iron p	opm	ASTM D5185m	>20	10	9	7
Chromium p	opm	ASTM D5185m	>10	0	<1	0
Nickel p	opm	ASTM D5185m	>10	0	0	0
Titanium p	opm	ASTM D5185m		0	<1	0
Silver	opm	ASTM D5185m		0	0	0
Aluminum p	opm	ASTM D5185m	>10	0	<1	<1
Lead p	opm	ASTM D5185m	>10	5	8	7
Copper p	opm	ASTM D5185m	>75	2	3	2
Tin p	opm	ASTM D5185m	>10	<1	<1	<1
Vanadium p	opm	ASTM D5185m		0	<1	0
Cadmium p	opm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m	10	8	5	5
Barium p	opm	ASTM D5185m	10	0	0	0
Molybdenum p	opm	ASTM D5185m	10	0	1	0
Manganese p	opm	ASTM D5185m		<1	<1	<1
Magnesium p	opm	ASTM D5185m	100	13	11	13
Calcium p	opm	ASTM D5185m	3500	2050	2112	2058
Phosphorus p	opm	ASTM D5185m	1150	853	889	905
Zinc p	opm	ASTM D5185m	1150	951	867	1058
Sulfur p	opm	ASTM D5185m	5000	3172	3210	3095
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>20	5	5	4
	opm	ASTM D5185m		<1	2	1
	opm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000		695	1562
Particles >6µm		ASTM D7647			162	331
Particles >14µm		ASTM D7647			11	40
Particles >21µm		ASTM D7647			3	13
Particles >38µm		ASTM D7647	>10		0	1
Particles >71µm		ASTM D7647			0	0
			-0		0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14		17/15/11	18/16/12

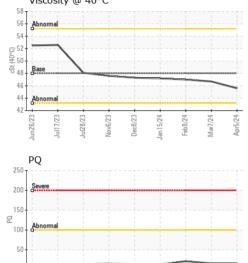


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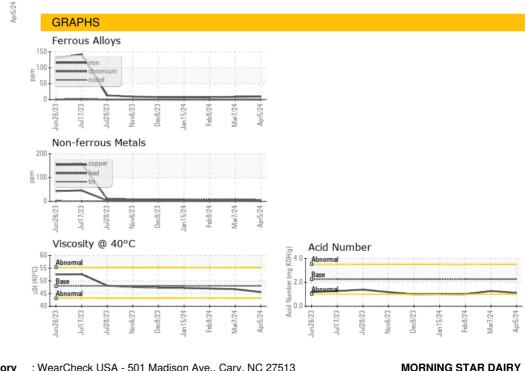
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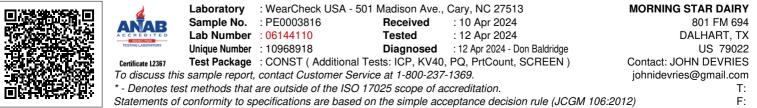
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	1.11	1.27	1.00
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	🔺 MODER	NONE	LIGHT
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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48	45.6	46.7	47.0
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color



Bottom





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