



WEAR CONTAMINATION FLUID CONDITION

ATTENTION ABNORMAL NORMAL



Store 1 - Cowen [141340]

JOHN DEERE 648H 1DW648HXPED660415

Fluid Fluid							
TDH FLUID SAE 75W80 (GA	AL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0043583	LEC0035061	LEC0026883
	Sample Date		Client Info		22 Aug 2023	16 Jan 2023	27 May 2022
	Machine Age	hrs	Client Info		9874	9327	8763
	Oil Age	hrs	Client Info		1111	564	937
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR	PQ		ASTM D8184		405	183	216
All component wear rates are normal.	Iron	ppm	ASTM D5185m	>1501	645	239	537
	Chromium	ppm	ASTM D5185m	>11	4	2	3
	Nickel	ppm	ASTM D5185m	>10	4	2	3
	Titanium	ppm	ASTM D5185m		2	1	2
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>21	28	11	1 8
	Lead	ppm	ASTM D5185m	>51	2	<1	<1
	Copper	ppm	ASTM D5185m	>101	12	4	10
	Tin	ppm	ASTM D5185m	>10	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>31	162	▲ 62	<u> </u>
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m	>20	9	2	3
	Water		WC Method	>0.1	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	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
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>51	0	2	2
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	10	0	0	11
	Barium	ppm	ASTM D5185m	10	0	0	0
	Molybdenum	ppm	ASTM D5185m	10	1	1	4
	Manganese	ppm	ASTM D5185m		6	2	5
	Magnesium	ppm	ASTM D5185m	100	95	102	107
	Calcium	ppm	ASTM D5185m		3303	3582	3326
	Phosphorus	ppm	ASTM D5185m	1150	967	982	930
	Zinc	ppm	ASTM D5185m		1165	1223	1169
	Sulfur	ppm	ASTM D5185m	5000	3640	4017	4297
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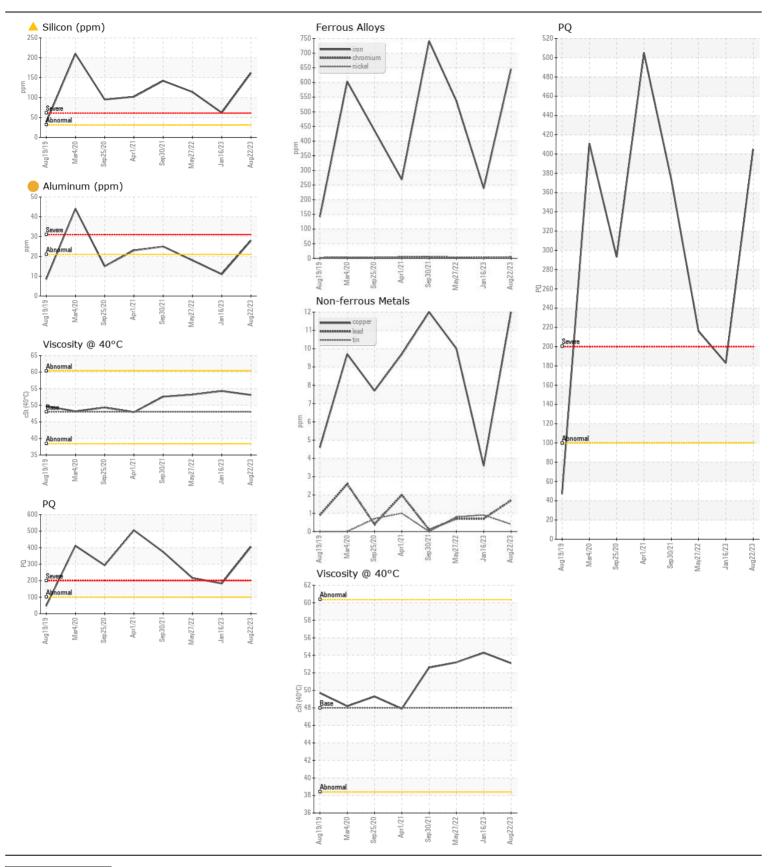
Visc @ 40°C

53.1

54.3

ASTM D445 48

53.2







Certificate L2367

Report Id: LESMAROH [WUSCAR] 05934996 (Generated: 03/14/2024 08:41:32) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0043583 Lab Number : 05934996

Unique Number : 10620267

Received Tested

: 25 Aug 2023 : 25 Aug 2023

: 28 Aug 2023 - Sean Felton Diagnosed Test Package : CONST (Additional Tests: PQ)

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)

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