WEAR CONTAMINATION FLUID CONDITION

NORMAL ABNORMAL NORMAL

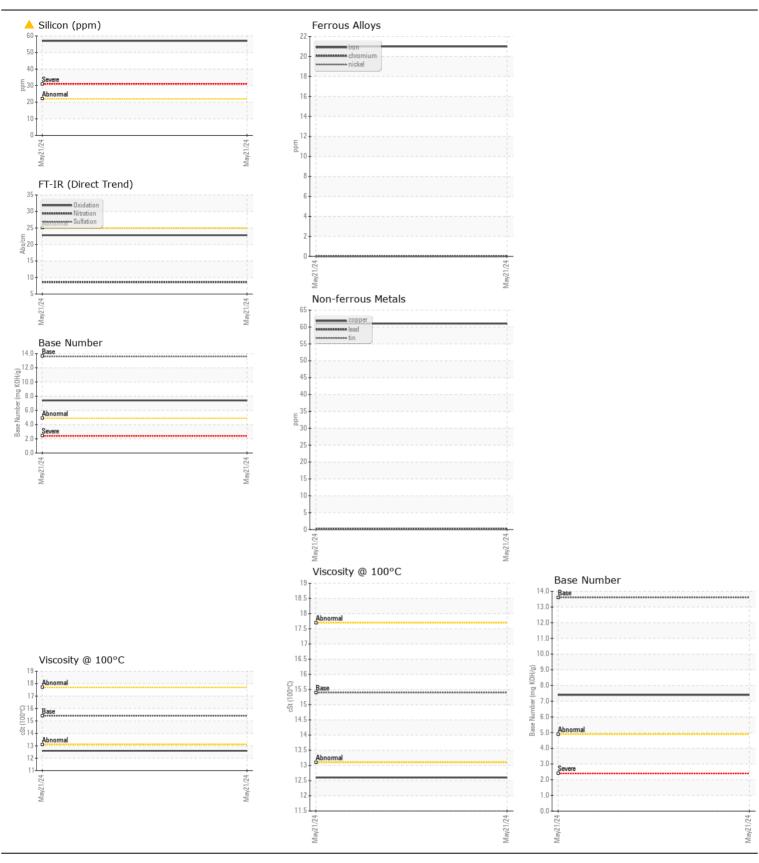
[16W16286]

JOHN DEERE 325G 1T0325GMPNJ413418

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (3 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
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. (Customer Sample Comment: 16W16286)	Sample Number		Client Info		JR0207182		
	Sample Date		Client Info		21 May 2024		
	Machine Age	hrs	Client Info		336		
	Oil Age	hrs	Client Info		336		
	Filter Age	hrs	Client Info		336		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
/EAD			ACTA DE10E		04		
/EAR	Iron	ppm	ASTM D5185m		21		
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		61		
	Tin	ppm	ASTM D5185m	>4	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	▲ 57		
ONTAIMINATION	Potassium	ppm	ASTM D5185m		0		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Fuel	%	ASTM D316311		<1.0		
	Water	70	WC Method		NEG		
	Glycol		WC Method	70.21	NEG		
	Soot %	%	*ASTM D7844	\3	0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	8.6		
	Sulfation	Abs/.1mm	*ASTM D7415		25.0		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.21	NEG		
			Visuai				
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	9		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		237		
	Barium	ppm	ASTM D5185m		1		
	Molybdenum	ppm	ASTM D5185m		249		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		748		
	Calcium	ppm	ASTM D5185m		1777		
	Phosphorus	ppm	ASTM D5185m		886		
	Zinc	ppm	ASTM D5185m		1106		
	Sulfur	ppm	ASTM D5185m		3649		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.8		
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.4		
	Visc @ 100°C	cSt	ASTM D445	1 E /	12.6		







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Lab Number : 06187464 Unique Number : 11044216

: JR0207182

Received : 22 May 2024 **Tested** Diagnosed

: 23 May 2024 : 24 May 2024 - Don Baldridge Test Package : CONST (Additional Tests: FuelDilution, TBN)

JRE - CASTLE HAYNE 113 CROWATAN ROAD CASTLE HAYNE, NC US 28429-5819

Contact: WILMINGTON SHOP todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we

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.

F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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