

## [MAYBERRY ST TERMINAL] HITACHI ZX345 HCMDD560A00010287

## Swing Drive Gear Case

## JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0225311	JR0169046	JR0122006
	Sample Date		Client Info		24 Jun 2024	12 Apr 2023	31 Jan 2023
	Machine Age	hrs	Client Info		2027	1430	1276
	Oil Age	hrs	Client Info		0	154	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Not Changd	N/A	Changed
	Sample Status				NORMAL	NORMAL	ATTENTION
WEAR	PQ		ASTM D8184		29	12	31
All component wear rates are normal.	Iron	ppm	ASTM D5185m	>200	99	2	20
	Chromium	ppm	ASTM D5185m	>10	1	0	<1
	Nickel	ppm	ASTM D5185m	>10	<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	0	<1
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		<1	<1	6
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION There is no indication of any contamination in the oil.	Silicon		ASTM D5185m		9	<1	16
	Potassium	ppm ppm	ASTM D5185m	>20	2	0	8
	Water	ppm		>0.2	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		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	2
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		23	41	337
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		<1	<1	0
	Manganese	ppm	ASTM D5185m		2	<1	4
	Magnesium	ppm	ASTM D5185m		3	4	71
	Calcium	ppm	ASTM D5185m		8	14	11
	Phosphorus	ppm	ASTM D5185m		508	489	1288
	Zinc	ppm	ASTM D5185m		16	7	6
	Sulfur	ppm	ASTM D5185m		17685	22540	25974
	N# 0 ····					105	

Visc @ 40°C

cSt

ASTM D445

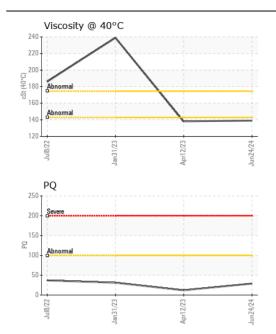
Submitted By: TECHNICIAN ACCOUNT

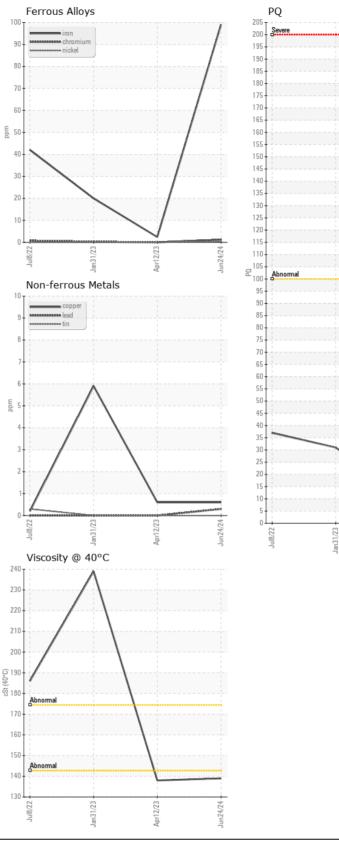
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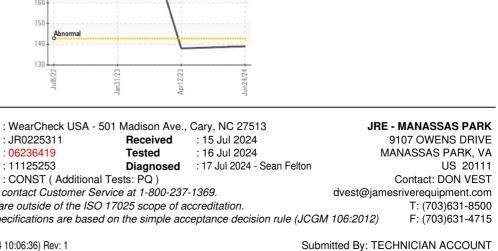
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## WEAR NORMAL CONTAMINATION NORMAL **FLUID CONDITION** NORMAL









Diagnosed Unique Number : 11125253 : 17 Jul 2024 - Sean Felton 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)

Received

Tested

Laboratory

Sample No.

Lab Number : 06236419

: JR0225311

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