

## **OIL ANALYSIS REPORT**

Sample Rating Trend

DIRT

## Machine Id HITACHI HCMDD560P00010248

Component **Right Final Drive** Fluid **GEAR OIL SAE 80W90 (--- QTS)** 

## DIAGNOSIS

### Recommendation

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.

## 🔺 Wear

Gear wear is indicated.

### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

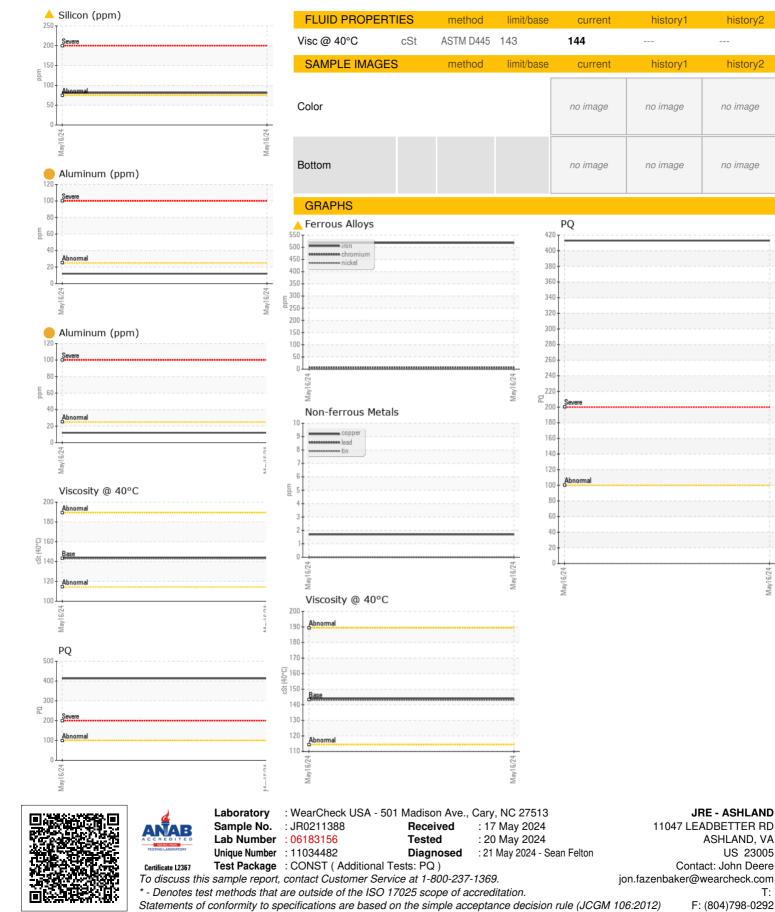
#### Fluid Condition

The condition of the oil is acceptable for the time in service.

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0211388		
Sample Date		Client Info		16 May 2024		
Machine Age	hrs	Client Info		2473		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		413		
Iron	ppm	ASTM D5185m	>500	<b>6</b> 518		
Chromium	ppm	ASTM D5185m	>10	6		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<b>1</b> 2		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm		>10	0		
Vanadium	ppm	ASTM D5185m	210	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	PPIII	method	limit/base	-	history1	history2
Boron	nnm	ASTM D5185m	400	10		
Barium	ppm	ASTM D5185m	200	0		
	ppm	ASTM D5185m	12	0		
Molybdenum	ppm		12	6		
Manganese	ppm	ASTM D5185m ASTM D5185m	12	-		
Magnesium	ppm			0		
Calcium	ppm	ASTM D5185m	150	4		
Phosphorus	ppm	ASTM D5185m	1650	283		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	125	<1		
	ppm		22500	20023		
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m		▲ 81		
Sodium	ppm	ASTM D5185m	>170	<1		
Potassium	ppm	ASTM D5185m		0		
VISUAL		method	limit/base		history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
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	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG	OUNT - John D	eereJAMASI



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**JRE - ASHLAND** 

ASHLAND, VA

Report Id: JAMASH [WUSCAR] 06183156 (Generated: 05/22/2024 05:56:18) Biomfact/Location: DO NOT REMOVE - DATA TRANSFER ACCOUNT - John Deere - JAMASH

May16/24

history2

history2

no image

no image