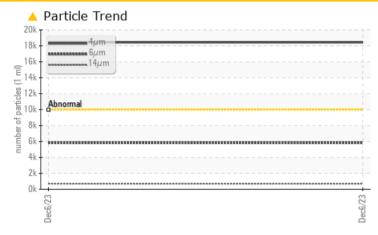


## **PROBLEM SUMMARY**

# HITACHI 40M

#### Component Hydraulic System Fluid MOBIL DTE ULTRA 24 ISO 32 (--- GAL)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL		
Particles >4µm	ASTM D7647	>10000	🔺 18443		
Particles >6µm	ASTM D7647	>2500	<b>6</b> 5812		
Particles >14µm	ASTM D7647	>320	<u> </u>		
Particles >21µm	ASTM D7647	>80	<u> </u>		
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>		
PrtFilter				no image	no image

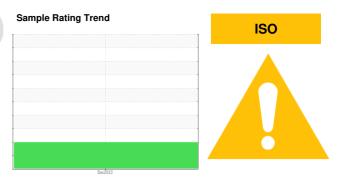
Customer Id: LINORA Sample No.: PH0003750 Lab Number: 06029989 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS



### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

# **HITACHI 40M**

Component **Hydraulic System** MOBIL DTE ULTRA 24 ISO 32 (--- GAL)

### DIAGNOSIS

Machine Id

### A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

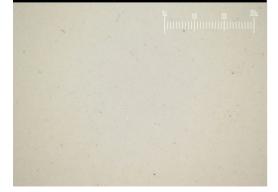
### Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

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

Particle Filter (Magn: 200 x)



				Dec2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0003750		
Sample Date		Client Info		06 Dec 2023		
Machine Age	yrs	Client Info		0		
Oil Age	yrs	Client Info		1		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
	le le			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>18443</b>		
Particles >6µm		ASTM D7647	>2500	<u> </u>		
Particles >14µm		ASTM D7647	>320	<u> </u>		
Particles >21µm		ASTM D7647	>80	<u> </u>		
Particles >38µm		ASTM D7647	>20	11		
Particles >71µm		ASTM D7647	>4	1		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>A</b> 21/20/17		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.092		

Report Id: LINORA [WUSCAR] 06029989 (Generated: 12/13/2023 16:01:19) Rev: 1

Contact/Location: THOMAS BIGGIE - LINORA



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pð,

Viscosity @ 40°C

## **OIL ANALYSIS REPORT**

method

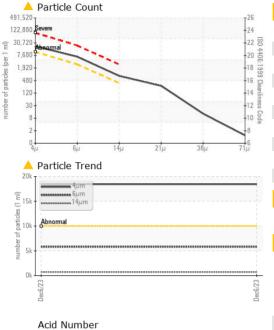
limit/base

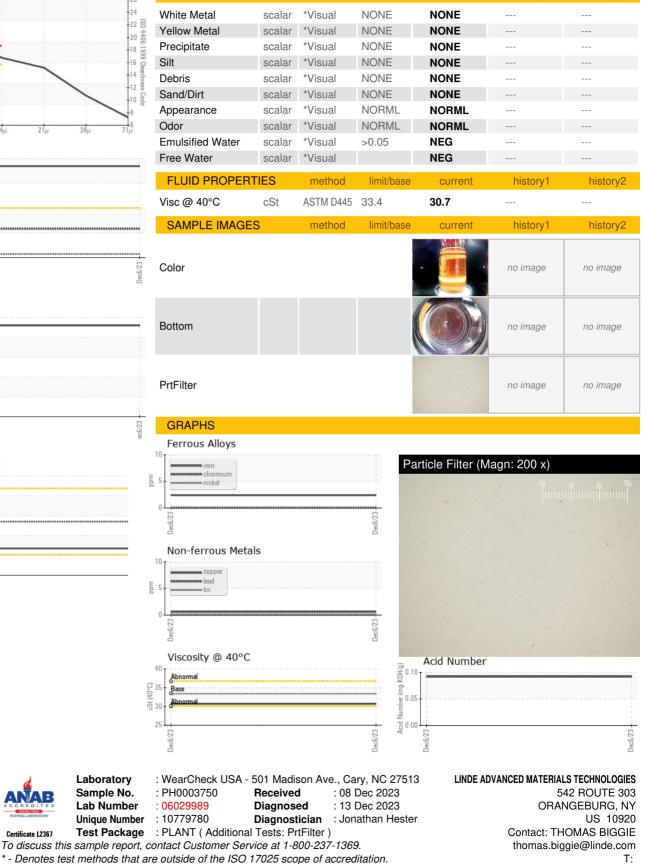
current

history1

history2

VISUAL





\* - 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)

Certificate L2367

Contact/Location: THOMAS BIGGIE - LINORA

F: