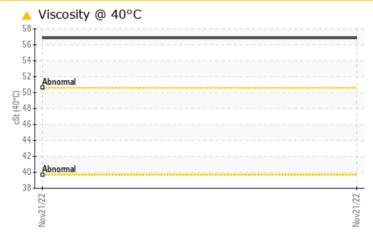


# Sample Rating Trend VISCOSITY

# Machine Id METSO (S/N 4540) Component

Hydraulic System Fluid Q8 HELLER 68 (900 LTR)

## COMPONENT CONDITION SUMMARY



RECOMMENDATION	PROBLEMATIC TEST RESULTS							
Resample at the next service interval to monitor.	Sample Status				ATTENTION			
•	Visc @ 40°C	cSt	ASTM D445		<b>6.86</b>			

Customer Id: EFACHA Sample No.: WC0711921 Lab Number: 05707040 Test Package: PLANT



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id METSO (S/N 4540) Component

Hydraulic System Fluid Q8 HELLER 68 (900 LTR)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0711921		
Sample Date		Client Info		21 Nov 2022		
Machine Age	hrs	Client Info		4000		
Oil Age	hrs	Client Info		4000		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
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		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		56		
Phosphorus	ppm	ASTM D5185m		324		
Zinc	ppm	ASTM D5185m		368		
Sulfur	ppm	ASTM D5185m		5138		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	621		
Particles >6µm		ASTM D7647	>640	199		
Particles >14µm		ASTM D7647	>80	22		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/15/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33		



# **OIL ANALYSIS REPORT**

scalar

scalar

scalar

scalar

method

\*Visual

\*Visual

\*Visual

\*Visual

scalar \*Visual

limit/base

NONE

NONE

NONE

NONE

NONE

current NONE

NONE

NONE

NONE

NONE

history1

history2

VISUAL

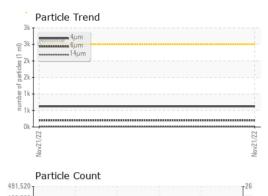
White Metal

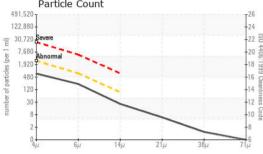
Yellow Metal

Precipitate

Silt

Debris

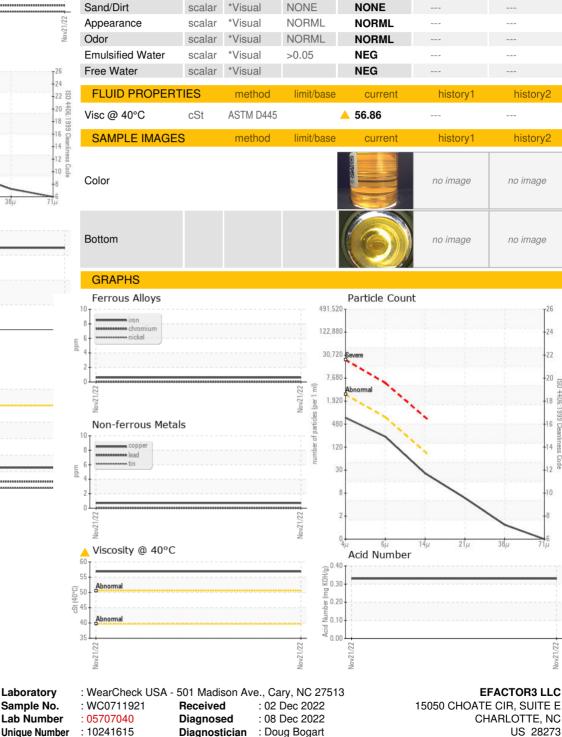




Acid Number

0.40

(B/HO)



-B 0.10 0.00 Particle Trend Ê 31 L 21 ing 2k b 1 n. Vov21

Certificate L2367

Report Id: EFACHA [WUSCAR] 05707040 (Generated: 07/31/2023 08:05:08) Rev: 1

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.

Test Package : PLANT

LREID@EFACTOR3.COM T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (704)944-3234

Contact: L. REID

4406

:1999 Cle

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