

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

## NORMAL

# HAPL - HYDRAULIC Machine Id HAPL EXIT HYDRAULIC UNIT (S/N 16-1100-1310)

Hydraulic System Fluid SAE 10W (--- QTS)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

#### Contamination

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

### Fluid Condition

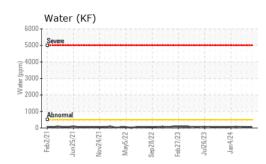
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

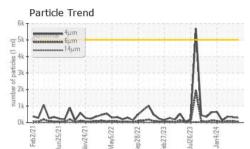
Sample Number Client Info RP0039295 RP0042	tory1 history2
	2675 RP0042583
Sample DateClient Info <b>08 May 2024</b> 26 Mar	2024 29 Feb 2024
Machine Age hrs Client Info 0 0	0
Oil Age hrs Client Info 0 0	0
Oil Changed Client Info N/A N/A	N/A
Sample Status NORMAL NORMA	AL NORMAL
WEAR METALS method limit/base current his	tory1 history2
Iron ppm ASTM D5185m >20 0 0	0
Chromium ppm ASTM D5185m >20 0 0	0
Nickel ppm ASTM D5185m >20 0 0	0
Titanium ppm ASTM D5185m 0 0	0
<b>Silver</b> ppm ASTM D5185m <b>0</b> 0	0
Aluminum ppm ASTM D5185m >20 0 1	0
Lead ppm ASTM D5185m >20 0	0
Copper ppm ASTM D5185m >20 0 <1	0
Tin ppm ASTM D5185m >20 0 0	0
Vanadium ppm ASTM D5185m 0 0	0
Cadmium ppm ASTM D5185m 0 0	0
ADDITIVES method limit/base current his	tory1 history2
Boron ppm ASTM D5185m 0 0	0
Barium ppm ASTM D5185m 0 0	0
Molybdenum ppm ASTM D5185m 0 0	0
Manganese ppm ASTM D5185m 0 0	0
MagnesiumppmASTM D5185m01	0
Calcium ppm ASTM D5185m 47 52	51
Phosphorus ppm ASTM D5185m 338 330	358
<b>Zinc</b> ppm ASTM D5185m <b>408</b> 407	423
CONTAMINANTS method limit/base current his	tory1 history2
Silicon ppm ASTM D5185m >15 2 2	2
Sodium ppm ASTM D5185m <1	<1
Potassium ppm ASTM D5185m >20 <1	0
Water % ASTM D6304 >0.05 0.005 0.004	4 0.004
ppm Water ppm ASTM D6304 >500 54 49	47
FLUID CLEANLINESS method limit/base current his	tory1 history2
Particles >4μm ASTM D7647 >5000 287 323	354
Particles >6μm ASTM D7647 >1300 46 96	88
Particles >14μm ASTM D7647 >160 7 6	11
Particles >21μm ASTM D7647 >40 3 1	3
Particles >38μm ASTM D7647 >10 0 0	0
Particles >71μm ASTM D7647 >3 0 0	0
Oil Cleanliness ISO 4406 (c) >19/17/14 15/13/10 16/14	4/10 16/14/11
FLUID DEGRADATION method limit/base current his	tory1 history2
	0.35

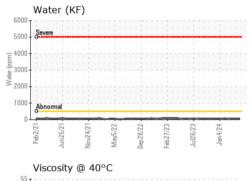


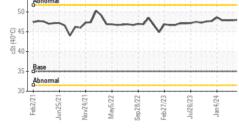


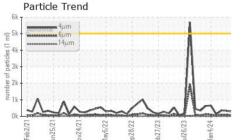
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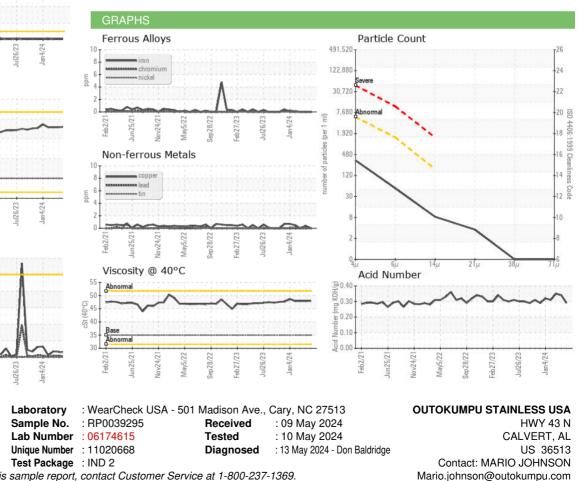






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	48.0	47.9	47.9
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				•		
Bottom						



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)

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Certificate 12367

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