

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.

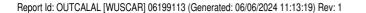
Contamination

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

Fluid Condition

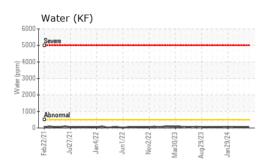
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

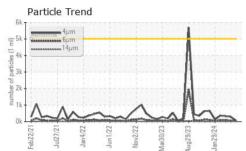
	history2 0042675
Sample Date Client Info 03 Jun 2024 08 May 2024 26	0042675
Machine Age hrs Client Info 0 0 0	Mar 2024
,	
Oil Age hrs Client Info 0 0 0	
Oil Changed Client Info N/A N/A N/A	1
Sample Status NORMAL NORMAL NO	RMAL
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >20 <1 0)
Chromium ppm ASTM D5185m >20 <1)
Nickel ppm ASTM D5185m >20 0 0)
Titanium ppm ASTM D5185m 0 0)
Silver ppm ASTM D5185m 0 0 0)
Aluminum ppm ASTM D5185m >20 2 0 7	1
Lead ppm ASTM D5185m >20 0 0)
Copper ppm ASTM D5185m >20 <1	<1
)
Vanadium ppm ASTM D5185m 0 0)
Cadmium ppm ASTM D5185m 0 0 0)
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 0 0 0)
Barium ppm ASTM D5185m <1)
Molybdenum ppm ASTM D5185m 0 0 0)
Manganese ppm ASTM D5185m 0 0)
	1
Calcium ppm ASTM D5185m 52 47 53	52
Phosphorus ppm ASTM D5185m 335 338 3	330
Zinc ppm ASTM D5185m 409 408	407
CONTAMINANTS method limit/base current history1	history2
Silicon ppm ASTM D5185m >15 2 2 2	2
Sodium ppm ASTM D5185m 0 <1)
	<1
Water % ASTM D6304 >0.05 0.004 0.005 0	0.004
ppm Water ppm ASTM D6304 >500 46 54 4	19
FLUID CLEANLINESS method limit/base current history1	history2
Particles >4μm ASTM D7647 >5000 55 287 3	323
Particles >6μm ASTM D7647 >1300 34 46 46	96
Particles >14μm ASTM D7647 >160 8 7 6	6
	1
)
)
Oil Cleanliness ISO 4406 (c) >19/17/14 13/12/10 15/13/10	16/14/10
FLUID DEGRADATION method limit/base current history1	history2
).34

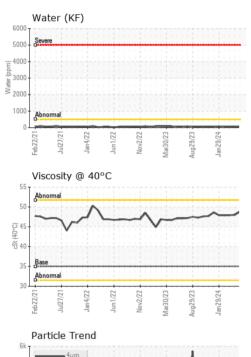


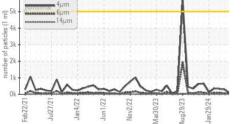


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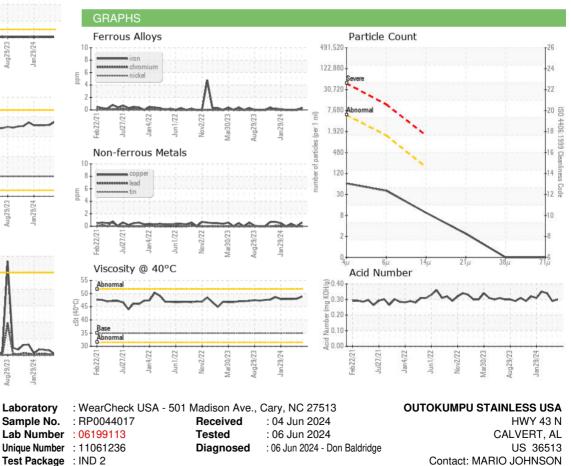








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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 PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	48.8	48.0	47.9
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						
Bottom				2.34	ALL BANK	



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

Submitted By: DALE ROBINSON

Mario.johnson@outokumpu.com

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F: x:

T: (251)321-4105