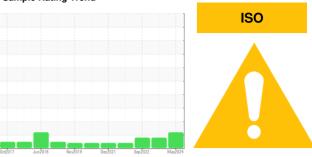


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **GCPK ENTRY**

Hydraulic System

**AW HYDRAULIC OIL ISO 46 (--- GAL)** 

### **DIAGNOSIS**

#### 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 silt (particulates < 14 microns in size) present in the oil.

#### **Fluid Condition**

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

		0ct2017	Jun2018 Nov2019	Dec2021 Sep2022	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0005299	PTK0004433	PTK0003592
Sample Date		Client Info		01 May 2024	28 Aug 2023	19 Sep 2022
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	<1	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	10	6	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	6	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	0	4	0
Calcium	ppm	ASTM D5185m	200	54	47	50
Phosphorus	ppm	ASTM D5185m	300	351	346	332
Zinc	ppm	ASTM D5185m	370	424	443	411
Sulfur	ppm	ASTM D5185m	2500	935	992	963
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		108254	40060	28172
Particles >6µm		ASTM D7647	>2500	<u> </u>	<u></u> 5318	<b>4694</b>
Particles >14µm		ASTM D7647	>320	<u>▲</u> 361	145	188
Particles >21µm		ASTM D7647	>80	49	32	40
		ASTM D7647	>20	3	1	1
Particles >38μm		A31W D7047	720	J	1	1
Particles >71µm		ASTM D7647	>4	0	0	0

Acid Number (AN)

0.35

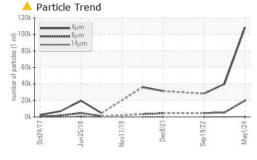
0.38

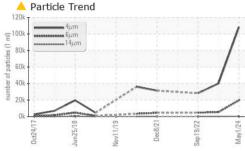
mg KOH/g ASTM D8045 0.57

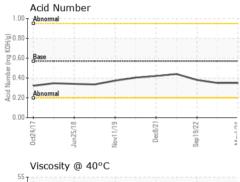
0.35 Submitted By: AUSTIN GOUGH

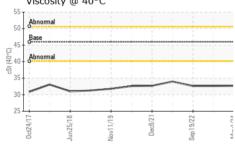


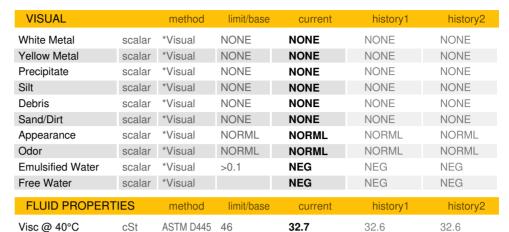
## **OIL ANALYSIS REPORT**







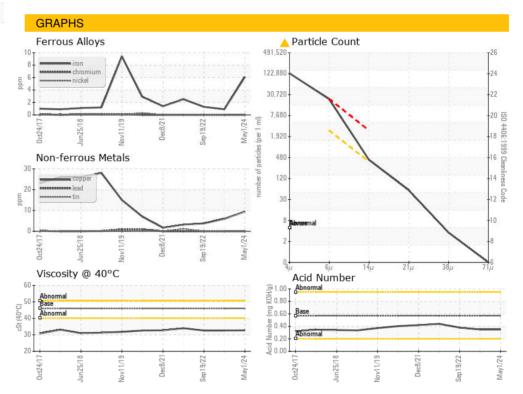




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Color			
Bottom			

CAMPLEIMACE









Certificate 12367

Laboratory Sample No.

Lab Number : 06234842

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PTK0005299 Unique Number : 11123676

Received : 12 Jul 2024 **Tested** Diagnosed

: 15 Jul 2024 : 15 Jul 2024 - Don Baldridge **HEIDTMAN STEEL** 

10 NORTHGATE INDUSTRIAL DR GRANITE CITY, IL US 62040

Contact: Rudy Villar

Rudy.Villar@Heidtman.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - 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)

T:

F: