

# **OIL ANALYSIS REPORT**

**Sample Rating Trend** 







Machine Id

# Press #3 6561231

Component

**Hydraulic System** 

KLUBER KLUBEROIL 4 UH1-46 N (251 GAL)

## DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

MPC (Membrane Patch Colorimetry) test indicates a high concentration of varnish present. The amount and size of particulates present in the system are acceptable.

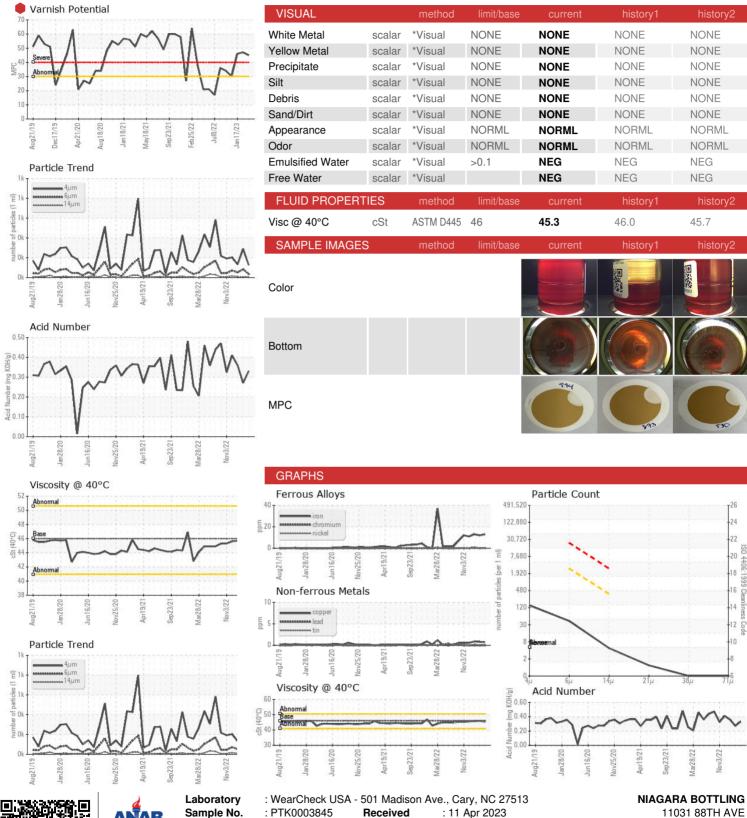
### **Fluid Condition**

The AN level is acceptable for this fluid.

1 <sup>2</sup> 019 Jan <sup>2</sup> 020 Jun <sup>2</sup> 020 Nov <sup>2</sup> 020 Apr <sup>2</sup> 021 Sep <sup>2</sup> 021 Mar <sup>2</sup> 022 Nov <sup>2</sup> 022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003845	PTK0004301	PTK0003851
Sample Date		Client Info		24 Mar 2023	13 Feb 2023	17 Jan 2023
Machine Age	hrs	Client Info		56110	55222	54750
Oil Age	hrs	Client Info		10838	9950	9478
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				SEVERE	SEVERE	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	13	12	13
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	2	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m	>10	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп		12 22 //			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		1	<1	2
Phosphorus	ppm	ASTM D5185m		103	99	116
Zinc	ppm	ASTM D5185m		25	22	29
Sulfur	ppm	ASTM D5185m		14	39	35
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2	1	2
Sodium	ppm	ASTM D5185m		<1	2	0
Potassium	ppm	ASTM D5185m	>20	<1	0	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		127	288	133
Particles >6µm		ASTM D7647	>2500	36	84	52
Particles >14μm		ASTM D7647	>320	4	8	9
Particles >21µm		ASTM D7647	>80	1	2	3
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/15	12/9	14/10	13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.331	0.271	0.36
MPC Varnish Potential		ASTM D7843	>15	<b>45</b>	<b>4</b> 7	<b>4</b> 6
					_	



## OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number** 

Test Package : MOB 2 ( Additional Tests: MPC )

: PTK0003845

: 05816994 : 10419786

Received : 11 Apr 2023 Diagnosed : 19 Apr 2023

> Diagnostician : Doug Bogart

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

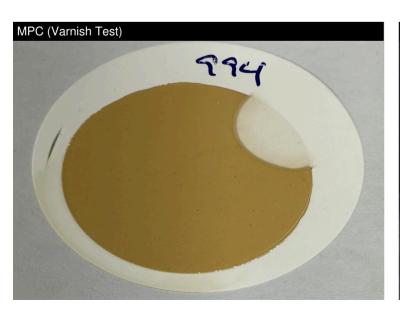
\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) T: (909)239-7599

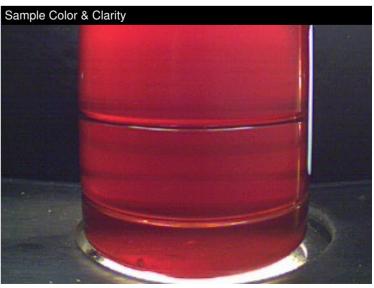
PLEASANT PRAIRIE, WI

Contact: TODD MONTGOMERY

US 53158

F:





Report Id: NIAPLE [WUSCAR] 05816994 (Generated: 08/21/2023 13:45:29) Rev: 1

This page left intentionally blank