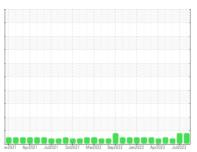


# **OIL ANALYSIS REPORT**

#### Sample Rating Trend







Machine Id

# Press #7 Press #7

Component

**Hydraulic System** 

KLUBER KLUBEROIL 4 UH1-46 N (220 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.

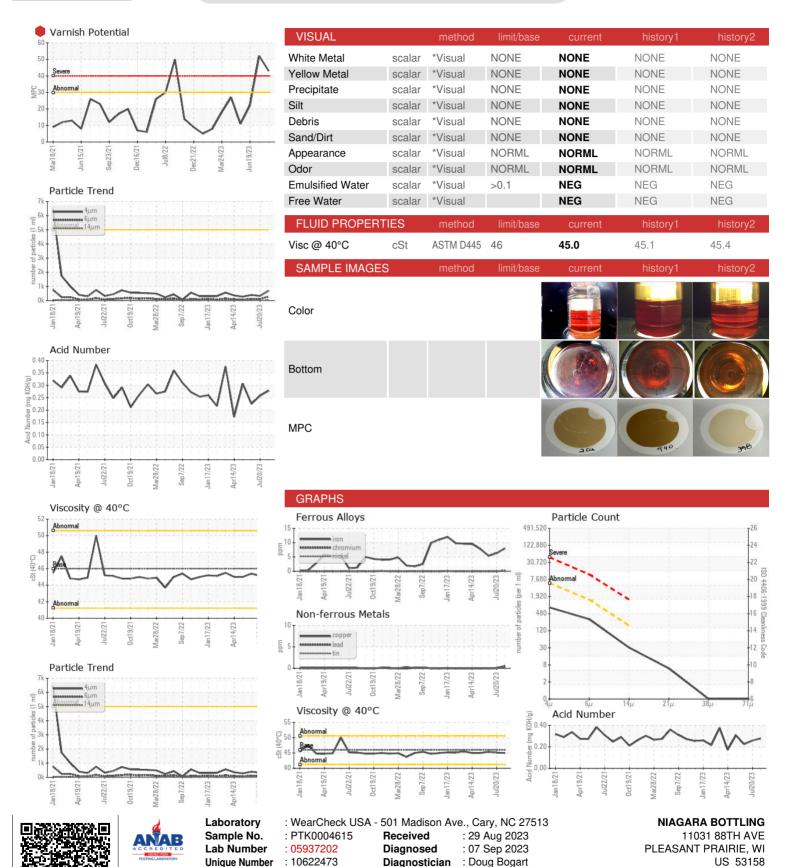
#### **Fluid Condition**

The AN level is acceptable for this fluid.

_)		an 2021 Apr 20	21 Jul2021 Oct2021 N	Tar2022 Sep2022 Jan2023 Apr202	3 Jul2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0004615	PTK0004623	PTK0004625
Sample Date		Client Info		21 Aug 2023	20 Jul 2023	19 Jun 2023
Machine Age	hrs	Client Info		12047	11549	10911
Oil Age	hrs	Client Info		8351	7853	7215
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				SEVERE	SEVERE	MARGINAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	8	6	5
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	<1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	4
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		7	<1	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		25	26	25
Zinc	ppm	ASTM D5185m		20	0	9
Sulfur	ppm	ASTM D5185m		90	67	120
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	4	3
Sodium	ppm	ASTM D5185m		2	1	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	695	329	393
Particles >6µm		ASTM D7647	>1300	267	102	108
Particles >14μm		ASTM D7647	>160	27	12	19
Particles >21µm		ASTM D7647	>40	5	3	5
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	16/14/11	14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.278	0.258	0.225
MPC Varnish Potential	Scale	ASTM D7843	>15	<b>43</b>	<b>5</b> 2	<u>^</u> 22



### OIL ANALYSIS REPORT



Test Package : MOB 2 ( Additional Tests: MPC )

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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

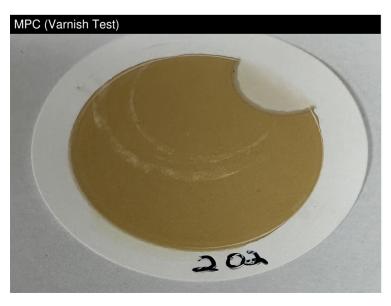
\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

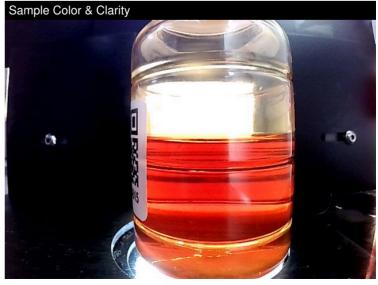
Certificate L2367

Contact: TODD MONTGOMERY

F:

T: (909)239-7599





Report Id: NIAPLE [WUSCAR] 05937202 (Generated: 09/07/2023 20:45:34) Rev: 1

Contact/Location: TODD MONTGOMERY - NIAPLE

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