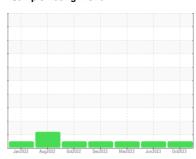


## **OIL ANALYSIS REPORT**

### Sample Rating Trend







# STACKER 2

Component **Hydraulic System** 

**NOT GIVEN (--- GAL)** 

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### **Fluid Condition**

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

		Jan2022	Aug2022 Oct2022	Dec2022 Mar2023 Jun2023	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003010	PTK0004500	PTK0003820
Sample Date		Client Info		25 Oct 2023	20 Jun 2023	08 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	4	5
Chromium	ppm	ASTM D5185m	>10	<1	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	<1	1	<1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	20	15	15
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		0	0	1
Barium	ppm	ASTM D5185m		<1	4	0
Molybdenum	ppm	ASTM D5185m		69	62	66
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		2	<1	<1
Calcium	ppm	ASTM D5185m		90	69	86
Phosphorus	ppm	ASTM D5185m		429	411	437
Zinc	ppm	ASTM D5185m		496	448	481
Sulfur	ppm	ASTM D5185m		3892	3797	4246
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2	<1	2
Sodium	ppm	ASTM D5185m		0	3	1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.1	0.024		
ppm Water	ppm	ASTM D6304	>1000	240		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	386	703	2970
Particles >6µm		ASTM D7647	>1300	121	240	823
Particles >14µm		ASTM D7647	>160	10	22	36
Particles >21µm		ASTM D7647	>40	3	5	5
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10	17/15/12	19/17/12
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
A aid Number (ANI)	I/OII/-	ACTM DODAE		1 00	4 4 4	1 10

1.29

Acid Number (AN)

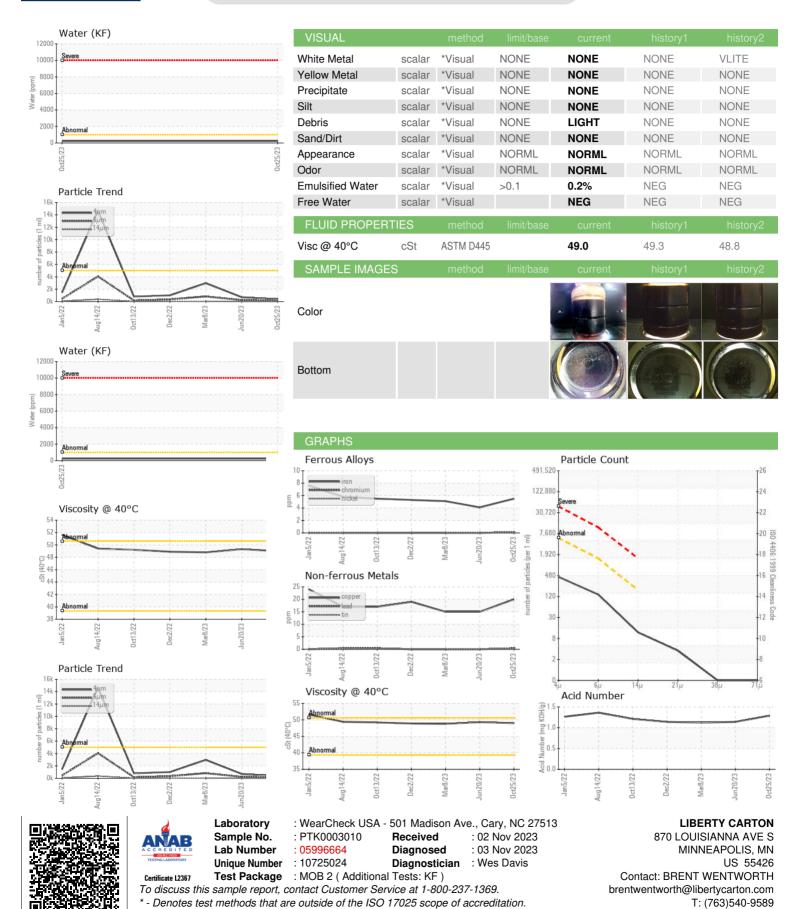
mg KOH/g ASTM D8045

1.14

1.12



## **OIL ANALYSIS REPORT**



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