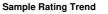


## **OIL ANALYSIS REPORT**





## 

SAMPLE INFORM	MATION	method	limit/base	current	history1	histor
Sample Number		Client Info		KL0012499	KL0012473	KL000998
Sample Date		Client Info		15 Jun 2023	18 May 2023	23 Mar 20
Machine Age	days	Client Info		45090	45062	45003
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history
Iron	ppm	ASTM D5185m	>20	<1	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
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		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	histor
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	25	0	0	4
Calcium	ppm	ASTM D5185m	200	61	58	42
Phosphorus	ppm	ASTM D5185m	300	345	326	349
Zinc	ppm	ASTM D5185m	370	439	393	444
Sulfur	ppm	ASTM D5185m	2500	952	853	708
CONTAMINANTS	3	method	limit/base	current	history1	histor
Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
Sodium	ppm	ASTM D5185m		2	2	1
Potassium	ppm	ASTM D5185m	>20	4	2	2
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history
Particles >4µm		ASTM D7647	>5000	<b>6</b> 5327	7108	6055
Particles >6µm		ASTM D7647	>1300	322	718	247
Particles >14µm		ASTM D7647	>160	14	39	12
Particles >21µm		ASTM D7647	>40	4	12	4
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 20/16/11	17/12	15/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	histor
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.46	0.41	0.33

### R1-TD-HYD Component Hydraulic System Fluid

## AW HYDRAULIC OIL ISO 32 (--- GAL)

## DIAGNOSIS

Area RIG 1

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

## Wear

All component wear rates are normal.

#### Contamination

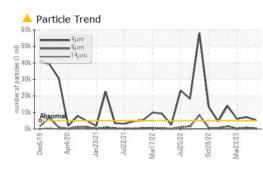
There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

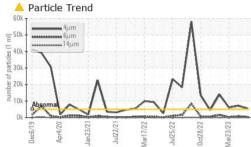
#### Fluid Condition

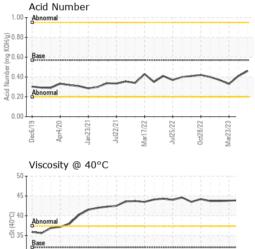
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



# **OIL ANALYSIS REPORT**







Mar17/22

30 Abnormal

25

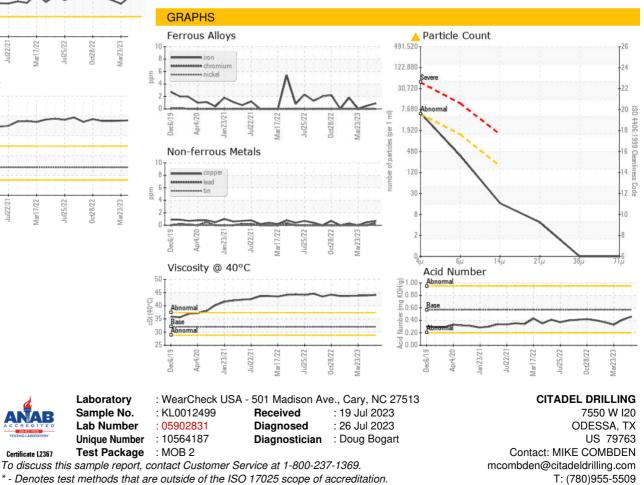
Dec6/19

\nr4/20

an 22/21

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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	44.1	43.9	43.8
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						

Bottom



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

Certificate L2367

Contact/Location: MIKE COMBDEN - CITODETEX

F: