

## **OIL ANALYSIS REPORT**

## Sample Rating Trend





Component Hydraulic System

CHEM-ECOL BIO HYDRAULIC 32ZFD (--- GAL)

			Aug2023		
DIAGNOSIS	SAMPLE INFORMATION	M method	limit/base current	history1	history2
Recommendation	Sample Number	Client Info	E30000166		
This is a baseline read-out on the submitted	Sample Date	Client Info	25 Aug 202	3	
sample.	Machine Age hrs	Client Info	0		
Vear	Oil Age hrs	Client Info	0		
not applicable}	Oil Changed	Client Info	N/A		
Contamination	Sample Status		NORMAL		
not applicable}	WEAR METALS	method	limit/base current	history1	history2
luid Condition	lron ppm	ASTM D5185(m)	>20 <1		
not applicable}	Chromium ppm	ASTM D5185(m)			
	Nickel ppm	ASTM D5185(m)			
	Titanium ppm	ASTM D5185(m)			
	Silver ppm	ASTM D5185(m)	0		
	Aluminum ppm	ASTM D5185(m)			
	Lead ppm	ASTM D5185(m)			
	Copper ppm	ASTM D5185(m)			
	Tin ppm	ASTM D5185(m)			
	Antimony ppm	ASTM D5185(m)	0		
	Vanadium ppm	ASTM D5185(m)	0		
	- ··· ··· · · · · · · · · · · · · · · ·	ASTM D5185(m)			
	Beryllium ppm Cadmium ppm	ASTM D5185(m)	0		
			U		
	ADDITIVES	method	limit/base current		history2
	Boron ppm	ASTM D5185(m)	0		
	Barium ppm	ASTM D5185(m)			
	Molybdenum ppm	ASTM D5185(m)	0		
	Manganese ppm	ASTM D5185(m)			
	Magnesium ppm	ASTM D5185(m)	1		
	Calcium ppm	ASTM D5185(m)	280		
	Phosphorus ppm	ASTM D5185(m)	167		
	Zinc ppm	ASTM D5185(m)			
	Sulfur ppm	ASTM D5185(m)	1026		
	Lithium ppm	ASTM D5185(m)	<1		
	CONTAMINANTS	method	limit/base current	history1	history2
	Silicon ppm	ASTM D5185(m)	>15 <1		
	Sodium ppm	ASTM D5185(m)	<1		
	Potassium ppm	ASTM D5185(m)	>20 <1		
	Water %	ASTM D6304*	>0.05 0.006		
	ppm Water ppm	ASTM D6304*	>500 65.5		
	FLUID CLEANLINESS	method	limit/base current	history1	history2
	Particles >4µm	ASTM D7647	>5000 285		
	Particles >6µm	ASTM D7647			
	Particles >14µm	ASTM D7647			
	Particles >21µm	ASTM D7647			
	Particles >38µm	ASTM D7647 ASTM D7647			
	Particles >30µm	ASTM D7647			
	Oil Cleanliness				
	On Greathiness	130 4400 (C)	>19/17/14 15/13/10		



0.60

0.48

0.36

2º 0.2

0.12 Ab

0.00

6.

4

6 Ê 5

> 18 31 2

> > Ok

6.5 A

cSt (100°C) 5.5 2

4

3.5

38 36

3

(0.0+) 32

30

28

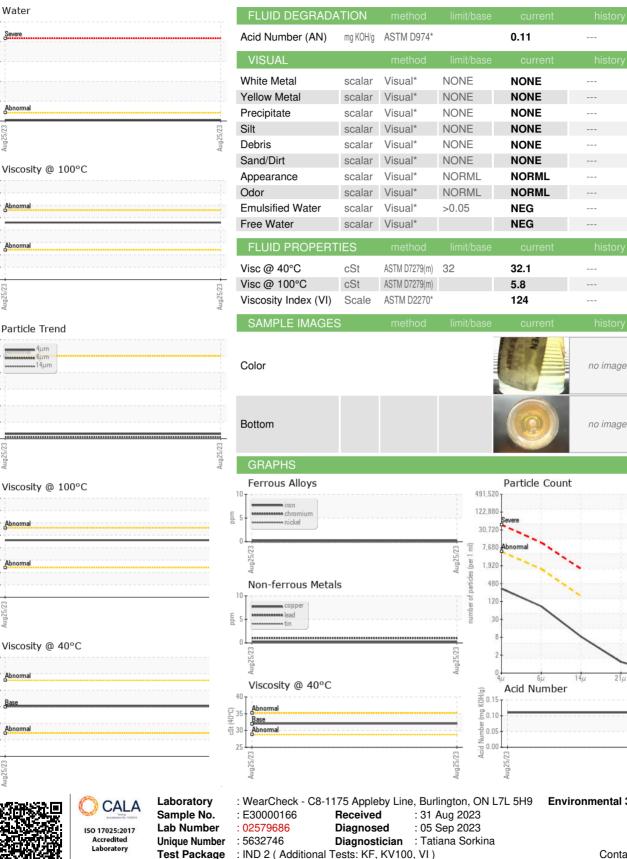
26

ua25/2

Ab

cSt (100°C)

## **OIL ANALYSIS REPORT**



To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

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