

## **OIL ANALYSIS REPORT**

Sample Rating Trend



### Machine Ic **CATERPILLAR STEPHEN T** Component

**Port Genset** 

Eluic

Resample at the next service interval to monitor.

There is no indication of any contamination in the

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the

All component wear rates are normal.

oil is suitable for further service.

## KENDALL SUPER-D XA 15W40 (--- GAL)

A CONTRACTOR

Recommendation

Contamination

Fluid Condition

Wear

oil.



NORMAL

•	•			Sep2023		
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843993		
Sample Date		Client Info		22 Sep 2023		
Machine Age	hrs	Client Info		9893		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	15		
Chromium	ppm	ASTM D5185m	>4	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		88		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>12	<1		
Lead	ppm	ASTM D5185m	>17	<1		
Copper	ppm	ASTM D5185m	>70	<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	127		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		5		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	270	441		
Calcium	ppm	ASTM D5185m	1900	1881		
Phosphorus	ppm	ASTM D5185m	1000	1035		
Zinc	ppm	ASTM D5185m	1260	1326		
Sulfur	ppm	ASTM D5185m	3400	4119		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
				0.1		
Soot %	%	*ASTM D7844		0.1		
Soot % Nitration	% Abs/cm	*ASTM D7844 *ASTM D7624	>20	9.1		

Oxidation

Abs/.1mm \*ASTM D7414 >25

Base Number (BN) mg KOH/g ASTM D2896 9.5

16.5

7.6



12

Sep22/23

P1

Abnormal

# **OIL ANALYSIS REPORT**

scalar

scalar

White Metal

Yellow Metal

\*Visual

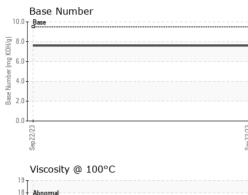
\*Visual

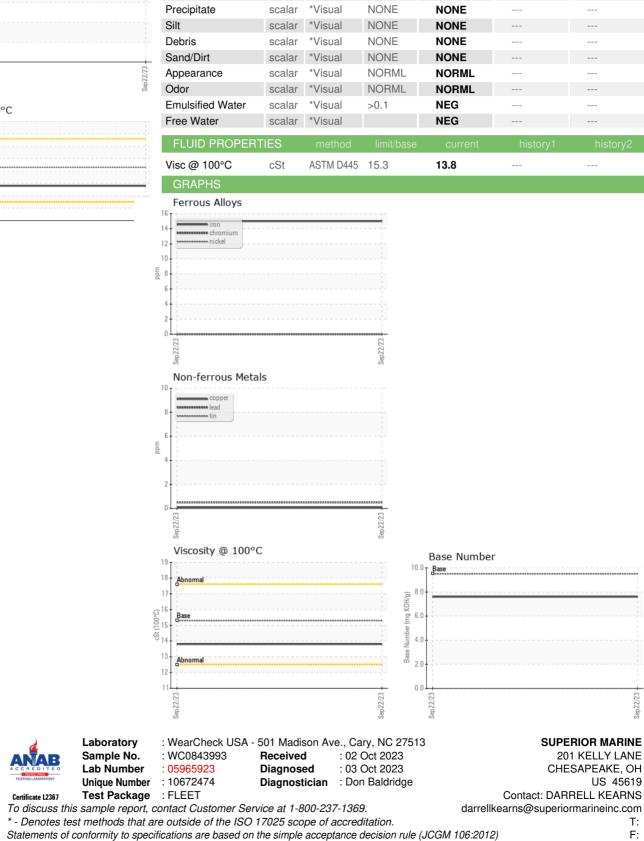
NONE

NONE

NONE

NONE





Contact/Location: DARRELL KEARNS - SUPCHEOH