

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Area **KANSAS/44/EG - LOADER** Machine Id **46.107L [KANSAS^44^EG - LOADER]** Component **Rear Differential** 





NORMAL

TDTO FLUID SAE 30 (--- GAL)

## DIAGNOSIS

#### Recommendation

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

## Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

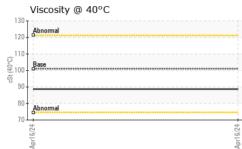
#### Fluid Condition

The condition of the oil is acceptable for the time in service.

Sample Number		Client Info		WC0789828		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		15		
Oil Age	hrs	Client Info		15		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	11		
Chromium	ppm	ASTM D5185m	>3	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	1		
Lead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	2		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	<1		
Barium	ppm	ASTM D5185m	7	4		
Molybdenum	ppm	ASTM D5185m	5	<1		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	40	17		
Calcium	ppm	ASTM D5185m	2650	3292		
Phosphorus	ppm	ASTM D5185m	1050	1120		
Zinc	ppm	ASTM D5185m	1075	1346		
Sulfur	ppm	ASTM D5185m	5750	5091		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	5		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	<1		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>.2	NEG		
Free Water	scalar	*Visual		NEG	 Dukan di Duu IA	
:50:08) Rev: 1					Submitted By: JA	SON GORGES



## **OIL ANALYSIS REPORT**



Visc @ 40°C SAMPLE IMAGE Color Bottom	cSt ES	ASTM D445 method	101 limit/base	88.7 current no image	 history1 no image	history2
Color	S	method	limit/base			
				no image	no image	
				no image	no image	
Bottom					no image	no image
Bottom						
				no image	no image	no image
GRAPHS						
11						
9- sesses chromium						
8						
6-						
4						
2						
pr16/24			pr16/24			
	als		A			
10 9 copper						
8 -						
6						
5-						
3 -						
2-						
0		*****	24			
Apr16/			Apr16/			
120 Abnormal						
115						
105 - Base						
95 -						
90						
80 - Abnormal						
70						
			.pr16/2			
	10       iron         9       iron         8       nickel         7       iron         6       iron         7       iron         6       iron         7       iron         10       iron         115       iron         115       iron         115       iron         116       iron         117       ir	11       10       iron         10	Non-ferrous Metals	Non-ferrous Metals	Viscosity @ 40°C	Non-ferrous Metals



 Unique Number
 : 10991762
 Diagnosed
 : 23 Apr 2024 - Wes Davis

 Certificate L2367
 Test Package
 : CONST
 Cont

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

 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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