

PROBLEM SUMMARY

Sample Rating Trend

ISO

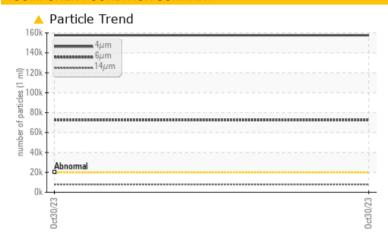


KENWORTH NYK438

Component **Front Gearbox**

CASTROL ELL 40 (14 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS						
Sample Status			ABNORMAL			
Particles >4µm	ASTM D7647	>20000	157676			
Particles >6µm	ASTM D7647	>5000	72512			
Particles >14µm	ASTM D7647	>640	A 7877			
Particles >21µm	ASTM D7647	>160	2069			
Particles >38µm	ASTM D7647	>40	60			
Oil Cleanliness	ISO 4406 (c)	>21/19/16	24/23/20			

Customer Id: SOUBUR Sample No.: WC06010194 Lab Number: 06010194 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component if applicable.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

SAMPLE INFORMATION

Sample Number



KENWORTH NYK438

Component

Front Gearbox

CASTROL ELL 40 (14 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

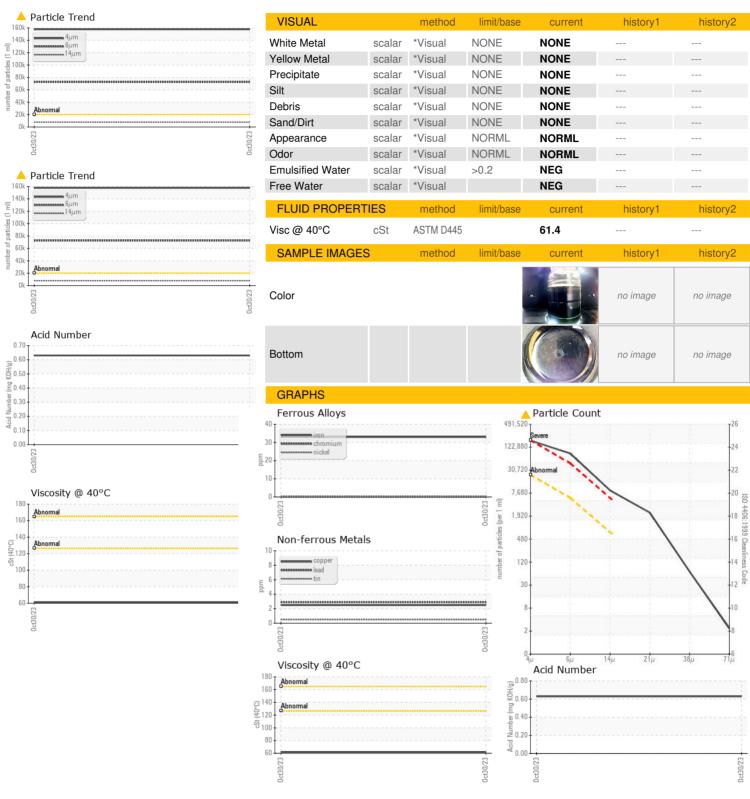
Sampl	e Rating Tre	nd		1	ISO
		Occ0023			
method	limit/base	current		history1	history
Client Info		WC06010194			
Client Info		30 Oct 2023			
Client Info		414808			
Client Info		240000			
Client Info		Not Changd			
		ABNORMAL			

Sample Date		Client Info		30 Oct 2023		
Machine Age	kms	Client Info		414808		
Oil Age	kms	Client Info		240000		
Oil Changed	KIIIS	Client Info		Not Changd		
Sample Status		Ollerit IIIIO		ABNORMAL		
·				ADNOMNAL		
CONTAMINATION	1	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	33		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	11		
Lead	ppm	ASTM D5185m	>50	3		
Copper	ppm	ASTM D5185m	>200	2		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		42		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		5		
Calcium	ppm	ASTM D5185m		599		
Phosphorus	ppm	ASTM D5185m		670		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		2187		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	157676		
Particles >6µm		ASTM D7647	>5000	72512		
Particles >14µm		ASTM D7647	>640	A 7877		
Particles >21µm		ASTM D7647	>160	^ 2069		
Particles >38µm		ASTM D7647	>40	<u>^</u> 60		
Particles >71µm		ASTM D7647	>10	2		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	24/23/20		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63		

Contact/Location: ROB WILLSON - SOUBUR



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC06010194 : 06010194

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Diagnosed

: 16 Nov 2023 : 20 Nov 2023

Diagnostician : Don Baldridge

Test Package : FLEET (Additional Tests: PrtCount)

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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

: 10749338

Contact: ROB WILLSON

rwillson@spt.co.nz

SOUTHPAC TRUCKS

36 EARTHMOVER CRESCENT

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BURBUSH, ZZ

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