

PROBLEM SUMMARY

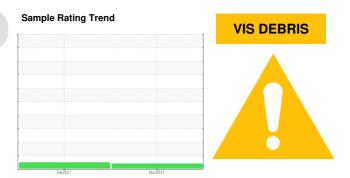
Powerblock Powerblock

KAMENGO KAMENGO HPU (S/N PHS01233RER)

Bulk Fluid Tank

Royal Purple biomass EAL hydraulic oil 46 (--- GAL)





No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	NORMAL		
Debris	scalar	*Visual	NONE	MODER	NONE		

Customer Id: VEOCAR **Sample No.:** WC0539372 Lab Number: 05394483 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

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

RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Description
Change Filter	MISSED	Mar 04 2022	?	We recommend you service the filters on this component.
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

16 Feb 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPOR

SAMPLE INFORMATI

Sample Number

Sample Rating Trend

Client Info



history2

Powerblock KAMENGO KAMENGO HPU (S/N PHS01233REI

Bulk Fluid Tank

Royal Purple biomass EAL hydraulic oil 46 (--- GAL)

DIAGNOSIS

Recommendation

Wear

Contamination

Fluid Condition

ON	method	limit/base	current	his
R)		Feb.2021	Nov2021	
ı				
_				

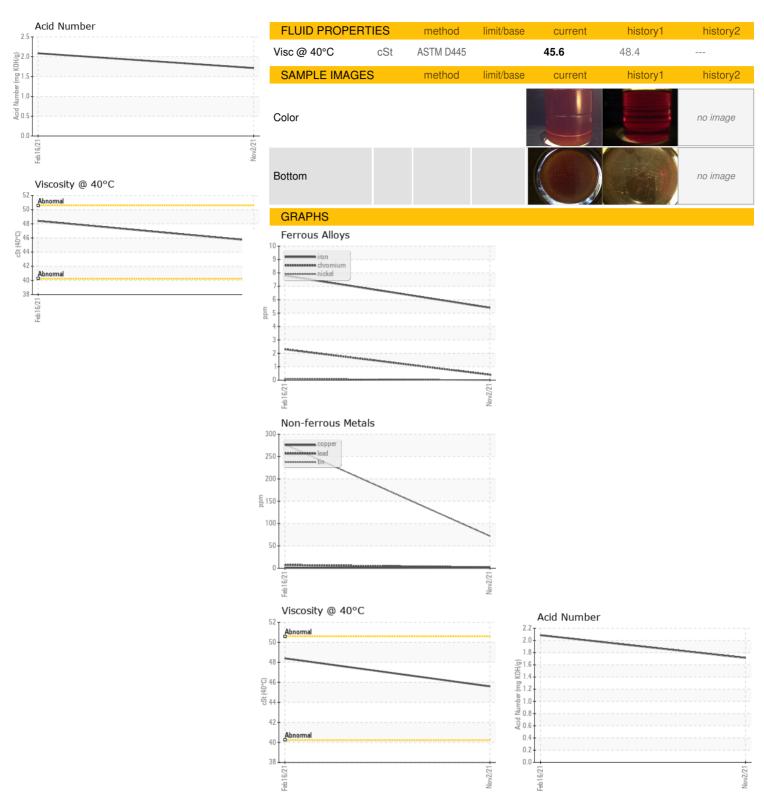
WC0539372

RP0014750

Recommendation	Sample Number		Client Into		WC0539372	RP0014750	
We recommend you service the filters on this	Sample Date		Client Info		02 Nov 2021	16 Feb 2021	
component. Resample at the next service interval to	Machine Age	hrs	Client Info		26280	0	
monitor. We were unable to perform a particle count	Oil Age	hrs	Client Info		1460	0	
due to a high concentration of particles present in this sample.	Oil Changed		Client Info		Not Changd	N/A	
·	Sample Status				ABNORMAL	NORMAL	
Wear	·						
All component wear rates are normal.	WEAR METALS		method	limit/base	current	history1	history2
△ Contamination	Iron	ppm	ASTM D5185m		5	8	
Moderate concentration of visible dirt/debris present	Chromium	ppm	ASTM D5185m		<1	2	
in the oil.	Nickel	ppm	ASTM D5185m		0	<1	
Fluid Condition	Titanium	ppm	ASTM D5185m		3	0	
The AN level is acceptable for this fluid. The	Silver	ppm	ASTM D5185m		0	0	
condition of the oil is suitable for further service.	Aluminum	ppm	ASTM D5185m		0	<1	
	Lead	ppm	ASTM D5185m		2	7	
	Copper	ppm	ASTM D5185m		1	<1	
	Tin	ppm	ASTM D5185m		72	277	
	Antimony	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	Cadmium		ASTM D5185m		0	0	
	Gaumum	ppm	HOTIVI DOTODILI		U	U	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		4	1	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	<1	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		0	0	
	Calcium	ppm	ASTM D5185m		84	1	
	Phosphorus	ppm	ASTM D5185m		472	135	
	Zinc	ppm	ASTM D5185m		30	124	
	Sulfur	ppm	ASTM D5185m		4067	527	
	CONTAMINANTS	3	method	limit/base	current	history1	history2
	Silicon		ASTM D5185m			3	
	Sodium	ppm	ASTM D5185m		<1		
		ppm		. 20	0	3 <1	
	Potassium	ppm	ASTM D5185m	>20	<1	< 1	
	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.714	2.086	
	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	▲ MODER	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor		*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar		NONIVIL	NEG	NEG	
Report Id: VEOCAR [WUSCAR] 05394483 (Generated: 07/19/2023		scalar	*Visual				BUCK HABVEV
neportia. VEOCAN [VVOSCAN] 03334403 (Generalea. 07/13/2023	r riee water	scalar	*Visual		NEG	JIIIILING DOY. DEF	RRICK-HARVEY



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number : 9733633

: WC0539372 : 05394483

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

: 08 Nov 2021 : 09 Nov 2021 Diagnostician : Jonathan Hester

Test Package : IND 2 (Additional Tests: PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

VEOLIA ENERGY - FRANKLIN

3465 HWY 198 CARNESVILLE, GA US 30521

Contact: DERRICK HARVEY

derrick.harvey@veolia.com

T:

F: