

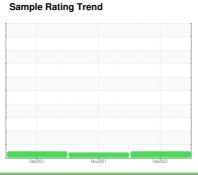
OIL ANALYSIS REPORT

Powerblock Powerblock

KAMENGO KAMENGO HPU (S/N PHS01233RER)

Bulk Fluid Tank

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

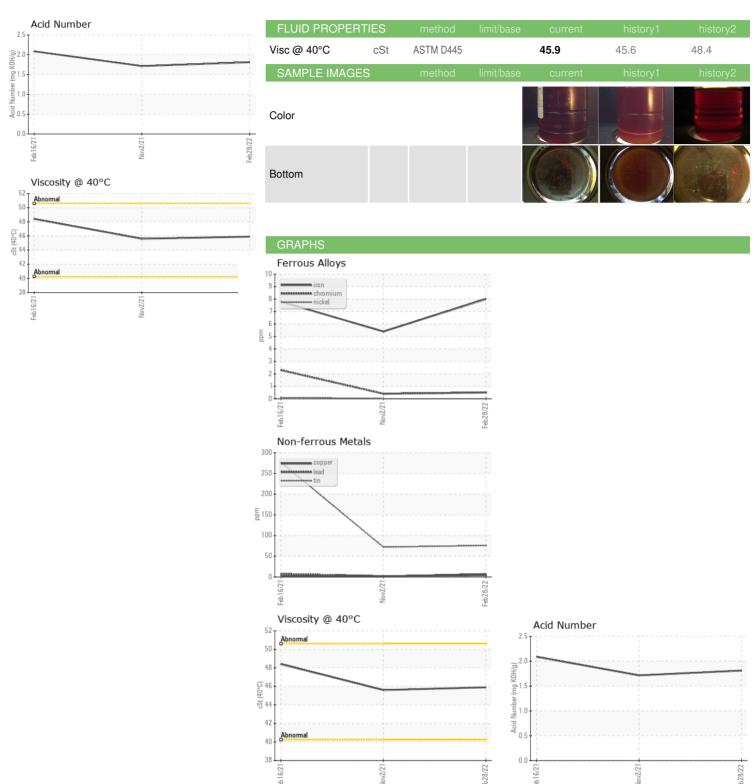
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

(GAL)		Fe	2021	Nov2021 Feb2	022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0539366	WC0539372	RP0014750
Sample Date		Client Info		28 Feb 2022	02 Nov 2021	16 Feb 2021
Machine Age	hrs	Client Info		26280	26280	0
Oil Age	hrs	Client Info		28440	1460	0
Oil Changed		Client Info		Filtered	Not Changd	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		8	5	8
Chromium	ppm	ASTM D5185m		<1	<1	2
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		3	3	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		1	0	<1
Lead		ASTM D5185m		4	2	7
	ppm	ASTM D5185m		7	1	<1
Copper						
Tin Antimony	ppm	ASTM D5185m		76	72	277
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	4	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		87	84	1
Phosphorus	ppm	ASTM D5185m		516	472	135
Zinc	ppm	ASTM D5185m		66	30	124
Sulfur	ppm	ASTM D5185m		4142	4067	527
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1	<1	3
Sodium	ppm	ASTM D5185m		4	0	3
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.81	1.714	2.086
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water		*Visual	NOTUVIL	NEG	NEG	NEG
	scalar					
Free Water	scalar	*Visual		NEG	omit te Ǯy: DEF	II IIONETHIN VE



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

: WC0539366 : 05481813 Unique Number : 9876032 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Mar 2022 : 04 Mar 2022

Diagnosed Diagnostician : Don Baldridge

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)

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